

Illustrated Catalogue and Price List

Design

XD 14 1/4

(Hand Trucks)

5-1

TS

2025

785



Rattan, Willow
and
Oak Baskets



Trucks and
Patent Rubber-
Tired Wheels

Telephone

864 18th

JULIUS FOWL

...Manufacturer...

39 EAST NINTH ST. NEW

YORK

THE MEANY PRINTING CO., S. W. COR. 11TH ST

.Get Quotation...

On all Goods contained

2-554

SCIENTIFIC LIBRARY



UNITED STATES PATENT OFFICE

CASE SHELF

GOVERNMENT PRINTING OFFICE

11-8625

Design
39 E. 9th St.

TELEPHONE, 864 - 18th

Fowl's Specialties, Pages 1A to 28A



VD 14/4

Hand Trucks

Illustrated Catalogue

U. S. Patent Office.



JUN 16 1913

Trade-Marks and Designs.

RATTAN, WILLOW AND

OAK BASKETS ~ ~ ~ ~ ~

TRUCKS AND ~ ~ ~ ~ ~

PATENT RUBBER-TIRED

WHEELS ~ ~ ~ ~ ~



...JULIUS FOWL...

Eas. Ninth Street

NEW YORK

DESIGN DIV.

NEW PATENT WHEELS

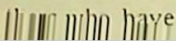
The New "Perfect" Rubber-tired Wheel

This wheel affords the long-desired **noiseless, compact and secure** rubber-tired wheel. Previous rubber-tired wheels have been more or less noisy, our No. 290 and No. 292, being much the quietest wheels on the market up to this time. On those with vulcanized tires the tires have easily become loose and are difficult and expensive to replace, while those using clamped tires have usually required considerable labor to replace worn tires.

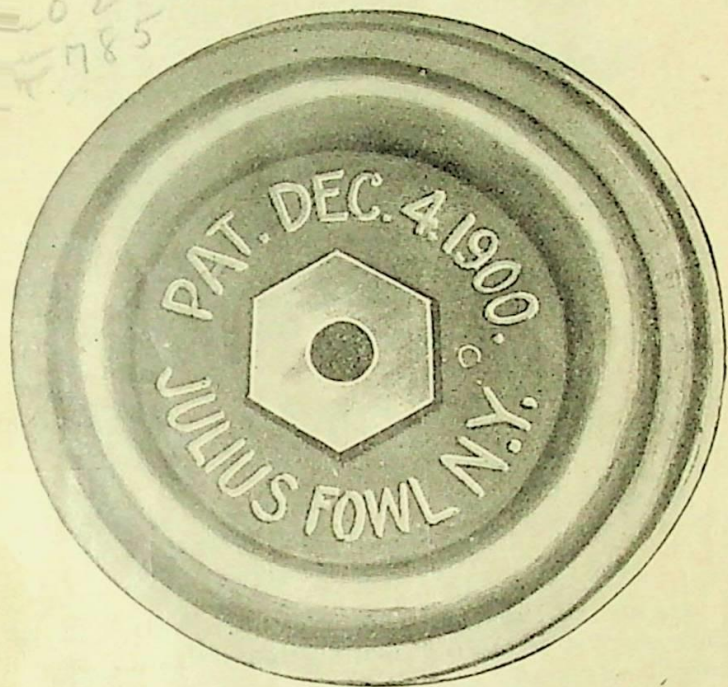
The "Perfect" wheel is made in two sections which screw together and are pinned with a key-pin without the use of tools. Before assembling the rubber tire is slipped over the projecting flange of one section and the other is screwed into place, thus completely enclosing the band with a clamp which cannot be displaced nor can the tire by any possibility slip out of the clamp.

The rubber tire rests throughout on the iron body of the wheel, which is made of high-quality iron, thus having a perfectly firm base or tread. The castings are first class in every respect and the whole wheel is **made to wear**.

Extra rubbers can be supplied at reasonable prices and can be inserted with the least possible trouble.

Though on the market only a short time the "Perfect" wheel has won the highest praise from Department Stores and  have given it a thorough trial. The wheel was

Fowl's New Perfect Rubber-tired Wheels

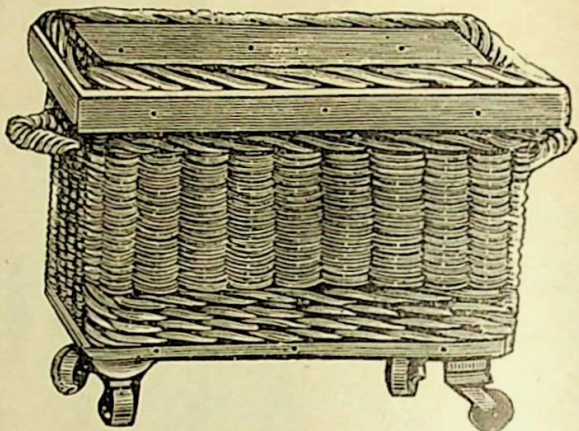


MADE IN THE MOST DESIRABLE SIZE—4 inch. diam.

Wheels only	\$13.00 per doz.
Wheels, with Stands	18.00 "
Rubber Tires only	6.80 "

RATTAN STORE BASKETS

(UPRIGHT SHAPE)



Store Style	Length	Width	Depth	Shape	Price, each
A	43	31	30	Upright	\$24 00
B	39	28	27	"	20 00
C	36	24	24	"	18 00
D	33	20	18	"	12 00

Mounted on four wheels, one on each side at center and one 4-inch wheel at each end, or four 4-inch swivel wheels, as cut above shows.

With covers on A and B, \$4.50 extra each } **NET**
 With covers on C and D, \$4.00 extra each }

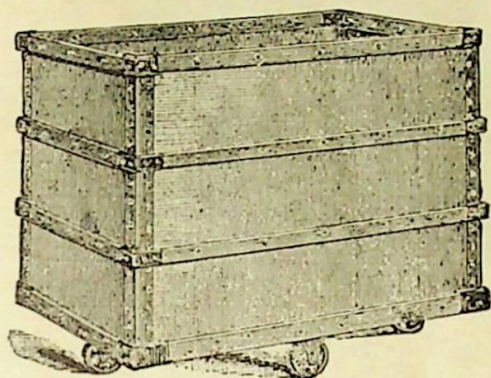
Rubber-tired wheels \$2.50 extra per set.

The general construction of these goods is unsurpassed. Standards are full-length rattan. Heavy wood braces at rim. 1½ inch board bottom.

Nothing better for heavy work.

Mounted on latest Patent Rubber-tired Wheels, \$3.00 extra.

FOWL'S FIBRE WAREHOUSE CARS



On application samples will be forwarded free of charge
on approval

Length Inside	Width Inside	Depth Inside	List Price, Each
30	20	20	\$10 00
33	22	22	12 00
36	24	24	15 00
39	27	27	16 00
42	30	30	18 00

With steel top, \$1.00 extra.

Other sizes at difference of 15 cents per inch in any direction.

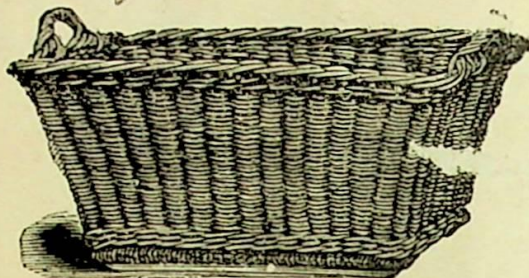
Iron wheels sent unless otherwise ordered.

Rubber wheels \$2.00 extra.

Patent rubber wheels \$3.00 extra.

BASKETS

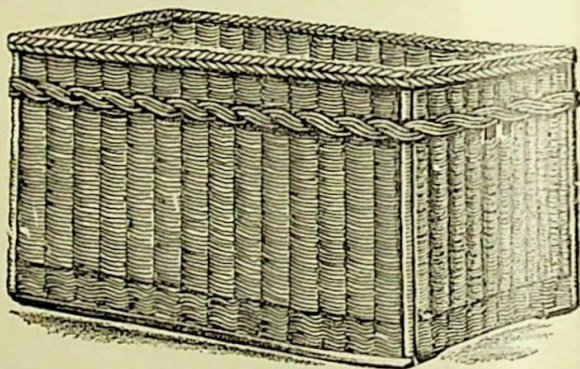
STORE STYLE - TAPERED SHAPE



With hardwood runners this is the Basket adapted for wholesale notion houses, also for large factory use.

Special sizes made to order.

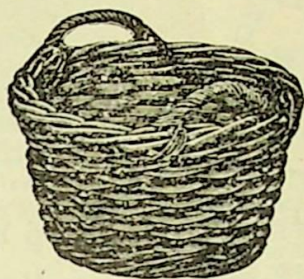
Store Style	Length	Width	Depth	Shape	Price, Per Dozen
A	30	20	15	Tapered	\$56 00
B	28	19	14	"	52 00
C	26	18	13	"	48 00
D	24	17	12	"	42 00
E	22	16	11	"	36 00



This Basket is especially adapted for laundries and bakeries. Size, 32 in. long, 24 in. wide, 24 in. deep. Upright shape. This is equal to a 12-bushel capacity.

Price, per doz., \$84.00 Special sizes made to order.

Rattan and Split Rattan Factory and Mill Bushel Baskets



Style all Rattan	Diameter	Depth	Price, Per Dozen
One bushel.....	18 in.	12 in.	\$15 00
Two bushels.....	20 "	15 "	21 00
Three bushels.....	22 "	18 "	24 00
Four bushels.....	26 "	18 "	30 00

Style Split Rattan	Diameter	Depth	Price, Per Dozen
One bushel.....	18 in.	12 in.	\$12 00
Two bushels.....	20 "	15 "	15 00
Three bushels.....	22 "	18 "	21 00
Four bushels.....	26 "	18 "	27 00

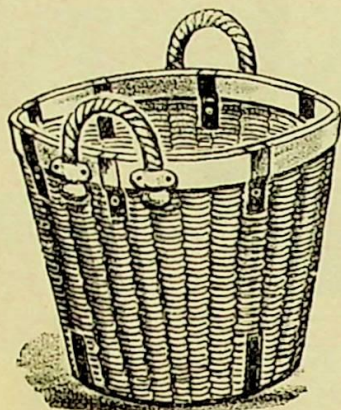
Iron strapped, for 1 and 2 bushels, \$3.00 extra per doz.

" " " 3 and 4 " 4.00 " " "

Larger dimensions..... 3.50 " " "

for each additional bushel.

No. 1 NAVY COAL BASKET



Best quality; made from pounded ash standards and bamboo filling, or if preferred from pounded ash throughout. Iron strapped as shown in cuts; $\frac{7}{8}$ -inch rope handles unless otherwise specified (bamboo if preferred). This basket is extensively used by the U. S. Government.

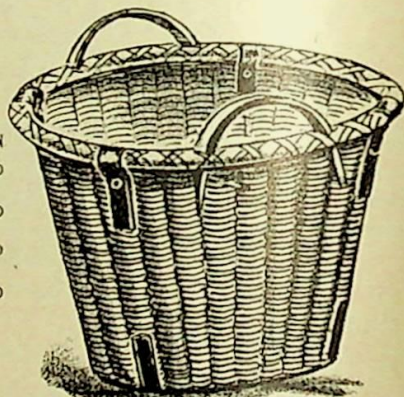
PRICE,
PER DOZEN

1 Bushel, 80 lbs.,	-	\$12 00
1 $\frac{1}{2}$ Bushel, 100 lbs.,	-	13 50
2 Bushel, 120 lbs.,	-	15 00
3 Bushel, 170 lbs.,	-	18 00

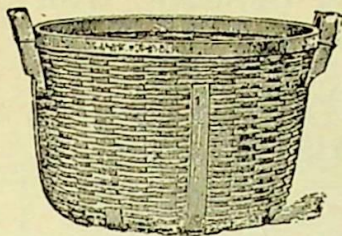
No. 2 COAL BASKET

PRICE,
PER DOZEN

1 Bushel,	-	-	\$10 00
1 $\frac{1}{2}$ Bushel,	-	-	11 50
2 Bushel,	-	-	12 50
3 Bushel,	-	-	15 00



Bamboo Crockery Delivery Basket



SIZES AND PRICES, PER DOZEN

½ Bushel,	-	-	-	\$4 50
1 Bushel,	-	-	-	8 00
1½ Bushel,	-	-	-	10 00
2 Bushel,	-	-	-	14 00
Iron bound, \$1.50 extra per doz.				

Can be made with rope or wood handles. This is the best basket for crockery delivery and especially adopted by all the large department stores.

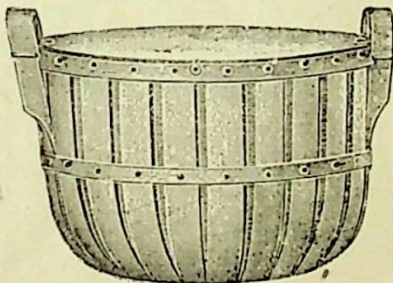
Oak Splint Delivery Basket

SIZES AND PRICES, PER DOZ.

½ Bushel,	-	-	-	\$3 50
1 Bushel,	-	-	-	6 00
1½ Bushel,	-	-	-	7 50
2 Bushel,	-	-	-	9 00

Can be made with rope or wood handles. This is **absolutely the strongest cheap crockery delivery basket** for department stores.

Stave Splint Bushel Basket

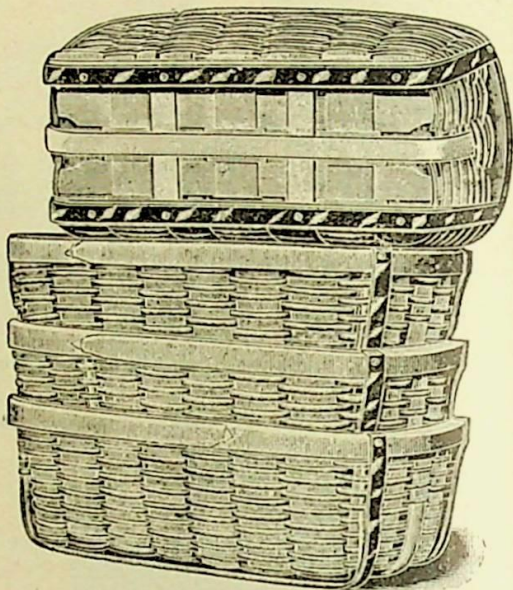


SIZES AND PRICES, PER DOZEN

½ Bushel, Stave Drop or Side Handles,	-	-	-	\$2 00
¾ " " " " " "	-	-	-	2 40
1 " " " " " "	-	-	-	2 80
1½ " " " " " "	-	-	-	3 60

Extra strapped with Splint Staves, 80c. per dozen extra.

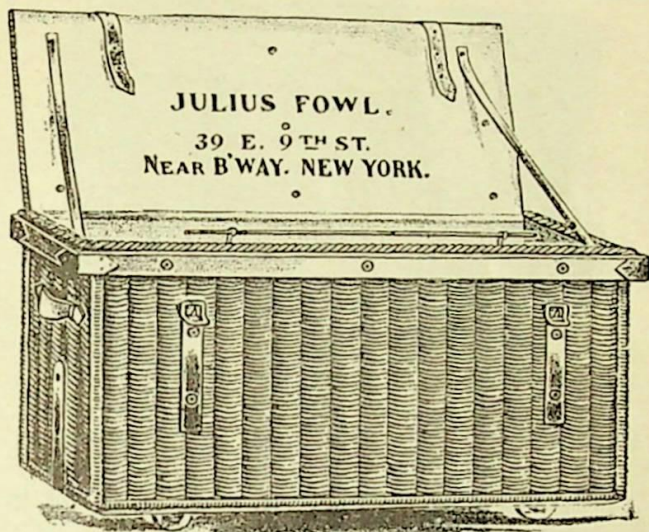
Bamboo Delivery Baskets, Iron Strapped



For small Baskets, from $\frac{1}{2}$ bu. to 2 bu. in capacity, these goods are undoubtedly the most serviceable made for a cheap article. Bottoms are tight woven, cross braced, strapped and irons applied so as to accomplish the most good. Handle holes at ends below rims.

			Plain	Iron Strapped
No. 1,	$\frac{1}{2}$ bu.	19x10x6	\$4 00	\$4 75
" 2,	$\frac{3}{4}$ "	22x11 $\frac{1}{2}$ x7	4 50	5 25
" 3,	1 "	25x14x8	5 50	6 50
" 4,	1 $\frac{1}{2}$ "	28x15x9	6 50	7 50
" 5,	2 "	30x17x10	8 00	9 00

SHIPPING BASKETS



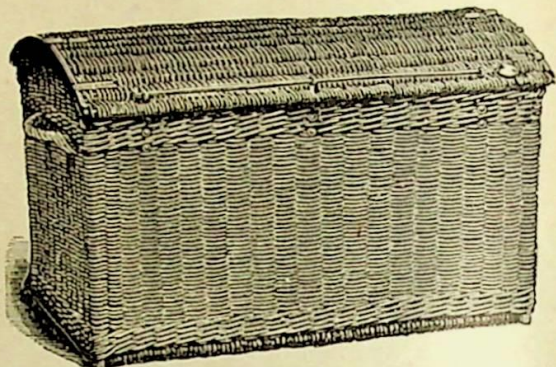
This Basket is lined with water-proof duck and made first class, and is very handy for sending a lot of small packages.

Size, 41 in. long, 22 in. wide, 22 in. deep.

\$40.00 EACH

Special sizes made to order.

FLAT AND ARCH TOP TRUNKS



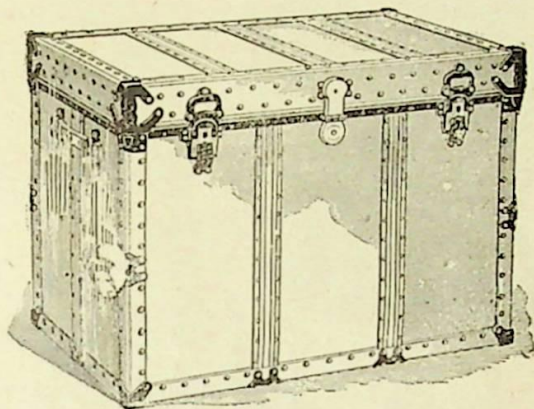
Trunks

Style	Length	Width	Depth	Price, per Dozen
26.....	26	15	15	\$96 00
28.....	28	16	16	108 00
30.....	30	17	17	120 00
32.....	32	18	18	144 00
34.....	34	19	19	168 00
36.....	36	20	20	192 00
38.....	38	21	21	216 00
40.....	40	22	22	220 00

Saratoga Style, \$1.00 extra per piece.

Trays, \$2.00 extra per piece.

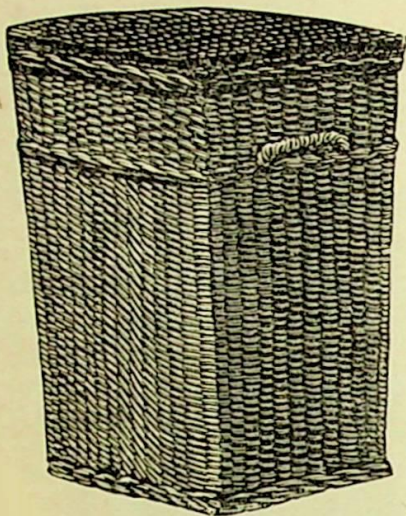
THE STANDARD FIBRE TRUNKS



PRICE LIST

Size	Length	Width	Depth	Price, each
28	27	17	17	\$26 50
30	29	18	18	28 00
32	31	19	19	30 00
34	33	20	20	31 00
36	35	21	22	33 00
38	37	22	23	38 00
40	39	23	24	40 00

30 cents extra for every additional inch.



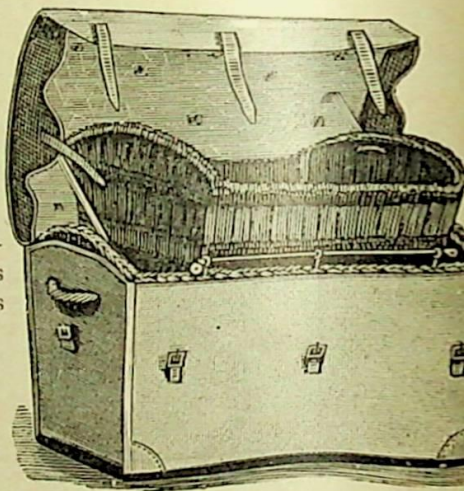
HARD RATTAN HAMPER

3 SIZES

No.	Length Inches	Width Inches	Depth Inches	Price Each
1	24	24	30	9 00
2	22	22	27	8 00
3	20	20	25	7 00

RATTAN ARCH-TOP
AND FLAT TRUNKS

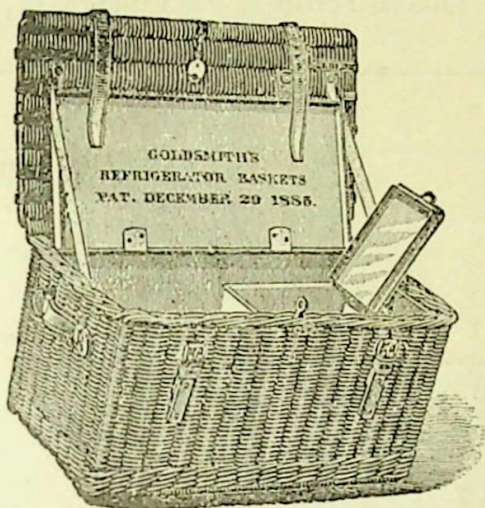
Covers fitted with Galvanized Iron Fixtures and Hardwood Runners on Bottoms.



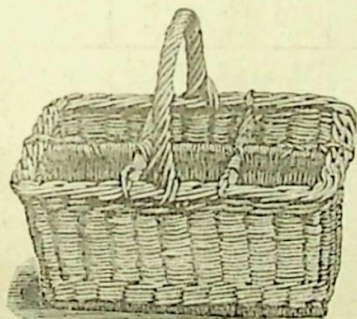
IMPORTANT TO COTTAGE OCCUPANTS

Goldsmith's Refrigerator Baskets

For safe transportation and preservation of fresh meats and table supplies.



(Pat. December, 1885, and August, 1888.)



HARD RATTAN WINE BASKETS

Length	Width	Depth	Style	Price, Each
27	9	8	12 Partition	2 50
14	9	7	6 Partition	1 75

RATTAN PROVISION BASKETS

FOR BUTCHERS, PACKERS, ETC.

Style	Length	Width	Depth	Shape	Price, per Dozen
A	33	21	14	Upright	\$72 00
B	32	20	16	Tapered	60 00
C	30	20	15	Oval	54 00
D	25	15	10	Upright	30 00
E	24	15	6	Tapered	15 00
E Special	22	13	9	"	15 00
F Split	24	15	6	"	10 00
G Bail Handle	22	13	9	"	18 00
H "	20	13	6	"	15 00
I Split	20	13	6	"	10 00
J Bail Handle	20	13	6	Oval	15 00
J Special "	22	13	9	"	18 00

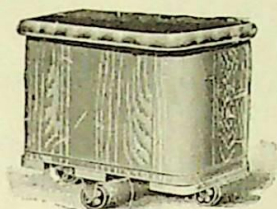
Canvas Covers, on Styles A and B, \$30.00 per dozen extra.

COVERED PORK BASKETS

Upright Shape

Length, 25; width, 16; depth, 10; price, per dozen, \$24.00.

CRANE'S PATENT LINEN FIBRE WARES



WAREHOUSE BASKETS

Nos. 00 to 4 Mounted on Wheels

Number	No. of Bushels	Length, Inches	Width, Inches	Depth, Inches	Price, Each
00	24	48	30	30	\$30 00
0	18	43	30	30	27 00
1	14	39	27	27	24 00
2	10	36	24	24	20 00
3	7	32	22	21	18 00
4	4½	30	20	20	8 50
5	2¼	22	15	12	4 00
6	2	24	12	10	3 50
7	1	21	11	11	2 00
8	½	21	11	7	1 50

FLOOR AND LINEN BASKET

5 STANDARD SIZES

Crane's Patent Fibre, Floor and Linen Baskets with Wood Bottoms, Metal Bound and Leather Handles on the sides.



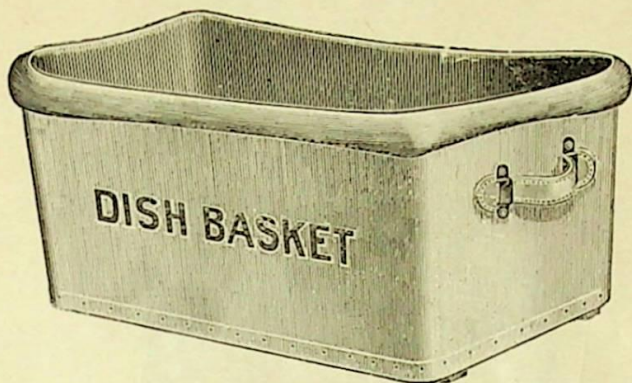
No.	Diameter Inches	Depth Inches	Price, Each
31	22	30	8 00
41	19	24	6 00
51	16	26	5 00
52	16	19	3 50
53	16	13	3 00

SILVER AND CUTLERY BASKETS

No.	Length	Width	Depth	Price, Each
200	18	11	7	1 75
300	11	8	4	1 25
500	12	9	3	1 50
550	14	10 1/2	3 1/2	1 75

DISH BASKETS

6 STANDARD SIZES



No.	Length	Width	Depth	Price, Each
4	30	20	20	8 00
17	23	15	8	3 50
23	18	11	6	2 50
26	30	21	15	6 00
27	27	17	13	5 00
28	23	15	11	4 00

BUTLERS' TRAY

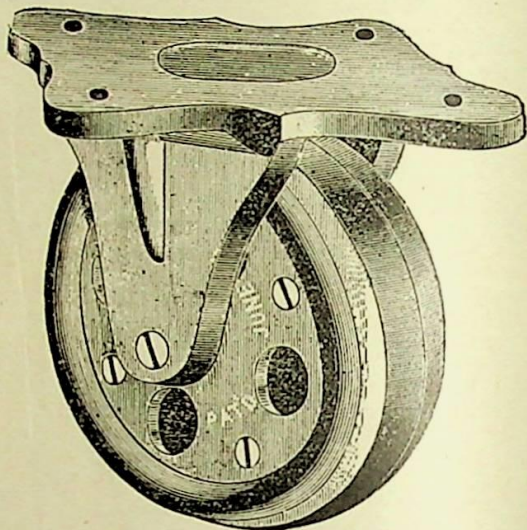
STANDARD SIZE



29 inches long, 17 inches wide, 4 inches deep. Price, each, \$5.00

Extra Heavy Rubber-tired Wheels With Stands

NO. 281



Price, per Dozen

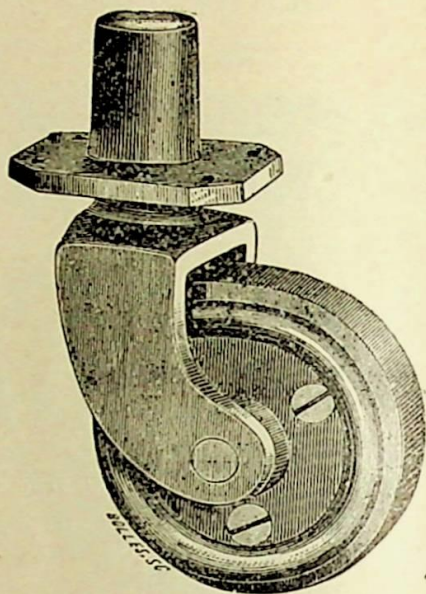
Diam. of Wheel
Inches

4	\$19 20
5	28 80
6	38 40
7	46 80
8	55 20
9	74 40

All styles stands and brackets, sockets or short-stem casters fitted with extra heavy wheels of different sizes when desired.

SHORT-STEM RUBBER-WHEEL CASTER

NO. 292



Price, per Dozen

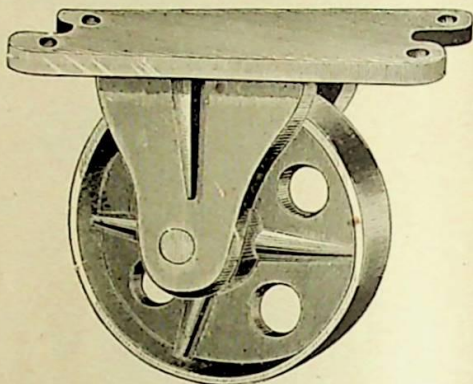
Diam. of Wheel
Inches

2 ¹ / ₈	.	.	.	.	.	.	.	.	.	\$5 00
2 ¹ / ₂	.	.	.	.	.	.	.	.	.	8 50
3	.	.	.	.	.	.	.	.	.	11 00
4	.	.	.	.	.	.	.	.	.	15 00
5	.	.	.	.	.	.	.	.	.	20 00
6	.	.	.	.	.	.	.	.	.	34 00
7	.	.	.	.	.	.	.	.	.	42 00
8	.	.	.	.	.	.	.	.	.	48 00

This is a strong, substantial Caster for Trucks,
Baskets, etc., etc.

IRON WHEELS WITH STANDS

NO 290



This form of Stand is best adapted for heavy work.

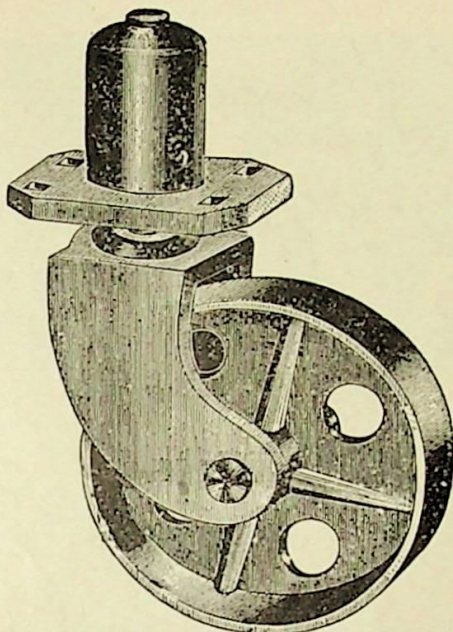
Price, per Dozen

Diam. Wheel, Inches	Unfinished	Finished
2	\$ 2 95	\$ 3 50
2½	3 85	4 50
3	5 10	6 00
4	6 80	8 00
5	10 20	12 00
6	17 00	20 00
7	23 80	28 00
8	29 75	35 00
9	34 45	40 50

This is a strong, well-made Stationary Caster, fitted with No. 250 style Wheels.

SHORT-STEM IRON-WHEEL CASTERS

NO. 292



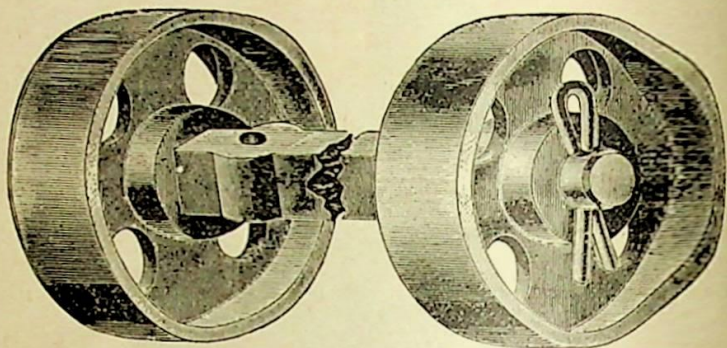
Price, per Dozen

Diam. Wheel, Inches	Unfinished	Finished
2	\$ 4 00	\$ 4 50
2½	5 10	6 00
3	6 80	8 80
4	9 35	11 00
5	12 75	15 00
6	18 70	22 00
7	22 10	26 00
8	28 00	33 00

This is a strong, well-made Caster, fitted with No. 250 style Wheels.

AXLE WITH IRON WHEELS

No. 251



We give below price list of axles mounted on iron wheels No. 250. The axles are furnished with bolt holes and are ready for immediate attachment to trucks, boxes, baskets, etc. In ordering axles with wheels, the length and size of axle wanted and diameter of wheels should be given. When axles are intended to be fitted to old trucks the distance between bolt holes should also be specified. Parties intending to use their old wheels and ordering axles only, should state the bore of wheel and length of bearing.

Price List

Diameter of Iron Wheels, Inches	Length of Axle, Inches	Thickness of Axle Inches	List Price of Axle with Two Wheels Unfinished	List Price of Axle with Two Wheels Finished
4	20 to 24	$\frac{3}{4}$	\$1 40	\$1 50
5	20 to 24	$\frac{3}{4}$	1 55	1 65
6	20 to 24	$\frac{7}{8}$	2 50	2 70
7	20 to 24	$\frac{7}{8}$	3 20	3 55
8	20 to 24	1	4 10	4 55
9	20 to 24	1	4 75	5 35

Axles of any length and size of iron furnished at proportionate prices. Estimates given promptly.

N. B. To ascertain the price of axles with rubber wheels, common or extra heavy or wide iron, add to the price of axle, list price of rubber or wide iron wheels.

Price List of Rubber Rolls



FOR USE IN PAPER MILLS

Tobacco Mills	Dye Works
Woolen Mills	Cotton Mills
Tanneries	Sugar Refineries
Print Works	Bleacheries
Leather Splitting	Machines

Diameter Inches	Per Inch in Length
4	\$2 00
6	2 50
8	3 50
10	4 50
12	6 00
13	7 00

Diameter Inches	Per Inch in Length
14	\$8 00
15 1/2	8 90
16	9 50
18	10 50
19	11 00

And for all places where a perfect Rubber Roll is desired
for squeezing or smoothing

Our Rolls are now in use in many of the largest Paper Mills, Print Works and Bleacheries.

Correspondence from manufacturers desiring a
"PERFECT RUBBER ROLL" invited. Small
samples furnished when desired, also references.

JULIUS FOWL'S PERFECT RUBBER ROLLS

Manufactured in five grades of Rubber, any one of which may be used as desired.

Grade A—IS VERY ELASTIC.

“ **B**—IS SLIGHTLY HARDER THAN A.

“ **C**—IS SLIGHTLY ELASTIC.

“ **D**—IS QUITE HARD.

“ **E**—IS VERY HARD AND ALMOST NON-ELASTIC.

A—Is designed for special purposes where great elasticity is desirable such as in starching Cotton Cloth where it is necessary that the thread should not be flattened at all by the pressure, and for spreading Ink and Varnish.

B—Is slightly harder than **A** and is used in places where **A** would be too soft.

C—Is elastic enough for most purposes, and is most commonly used in BLEACHERIES and PRINT WORKS for squeezing the goods as they pass from one bath to another, and in TOBACCO FACTORIES; also SUGAR REFINERIES, for wringing purposes; in PAPER MILLS as couch rolls, and on LEATHER SPLITTING machines.

D—Is about as hard as a pine board, and is now used in many places where the old-fashioned *Husk Rolls* or solid *Wooden Roll* has been used. It has been found vastly superior to any other when used as *Press and Size Rolls* in paper mills. No paper mill can be run economically without Rubber-covered rolls.

E—Is about as hard as Ivory, and is found to be of great use in bleacheries and print-works for wringing out the white soures. It takes the place of a brass or wooden roll, and will not suffer from the action of the acids in any way and therefore will last an almost indefinite time.

The demand for our Rubber-covered rolls has increased considerably in the past few years, and we have therefore made the most complete arrangements for handling the largest as well as the smallest. The location of our works is convenient to all railroads and transportation lines.

When desired, we furnish the Iron Roll castings, at the lowest rate. We also re-cover any old rolls.

TO THE TRADE. * * *

It is with pleasure we present to you our new and complete catalogue. You will note besides wheelbarrows, warehouse trucks, hand carts, etc., we illustrate a great many special goods not ordinarily carried in stock, and we are sure it will be to your advantage to keep our catalogue on file.

Our goods are all made from the best material, carefully selected, and special attention is given to workmanship.

Prices and terms will be furnished on application.

We are prepared to fill all orders promptly, and are also in position to make any special goods you may need.

...INDEX...

	PAGE
Bag Holders	35
Barrel, Swing	44
Baskets, Coal	115
Truck	121
Cars	57, 112-115
Carts	14-23
Baker's	19
Barrel	19
Donkey	16
Fat	67
Fruit	18
Gas Fitter's Tool	129
Grain	19
Keystone	15
Laundry	17
Lawn	16
Leaf	17
Street Cleaner's	23
Tallow	67
Water	20-22
Casters	121-125
Charging Cart	110, 111
Coal Screens	118-119
Coal Shutes	116-117
Dump Carts, Contractors	129
Fence Machines	5-7
Hods, Wood and Steel	7-12
Pokes	11
Presses, Lard and Wine	11
Rollers, Field and Hand	8-10
Runner Attachments	12-13
Runway	44
Skids	73
Tampers	10
Trucks	21-27
Ash Can	33
Bag	33-35
Baggage	53-55
Baker's Can	42
Baltimore Barrel	30
Bar Iron	45
Barrel	28, 30, 58
Basket	56
Boston Barrel	49
Bottle Draining	68
Box	45-50
Builder's	51
California Wheat	32
Candy Fall	31
Cargo	36
Cart	31
Cask	60
Cheese	36
Coal	113, 114
Common Platform	41
Cotton	28, 31
Cutlery	29
Dry Goods	47, 48
Express Wagon	53
Factory	71
Feed	55
Forge Shop	55
Foundry	67
Furniture	71
Gear	42
Grain Wagon	70
Hardware	45
Hide	60

	PAGE
Trucks, Keg	34
Lath	75
Little Giant	75
Lispenard	6
Lois	75
Lumber	75
New York	75
Minneapolis Bag	75
Office	75
Packers	75
Paper	75
Plumbers Tank	75
Post Office	75
Reynold's Improved	37, 43, 58
Sausage	75
Seeders	75
Sheet Metal	75
Standard Barrel	75
Steel Nose	75
Stove Carrier	75
Tallow	75
Timber Dollies	75
Wall Paper	75
Wire Nail Buggy	75
Worstel	75
Trunk Carrier	75
Wagon Jacks	75
Wagons, Cutlery	75
Express	75
Stave	75
Wheelbarrows	75-111
Brick	75
Canal	75
Charging	110-111
Climax Steel Tray	100
Coal	100, 107
Coke	100
Garden	55-59
General Purpose	55
Giant R. R.	54
Government	54
Klondyke	55
Lawn	55
Machine Shop	111
Mining	105
Mortar	94
Open Heart	100
Oyster	55
Packing House	55
Phosphate	55
Pig Metal	22, 29, 100
Salt	55
Sand	55
Sawdust	55
Serap Iron	55
Stable	55
Stave	55
Stone	55
Tubular Steel	100
Wharf	55
Wheels	77, 79, 113-115
Cart	113
Cast	113
Pole Road	113
Rubbered	113
Wagon	113
Wheelbarrow	113

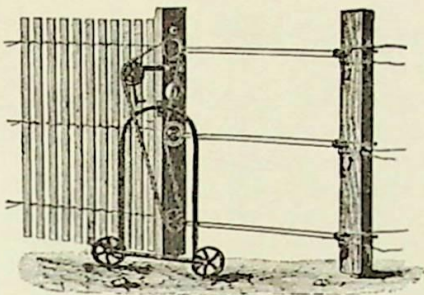


Fig. 12.

HOAG PATENT FENCE MACHINE.

Many years' experience in building wire and picket fences has demonstrated this fact: A fence to be substantial must be composed of ONE MAIN WIRE, stretched taut before the pickets are fastened to it, the pickets being fastened to it by a second and lighter wire. The main wire being stretched tight and the pickets fastened to it, the fence, of course, can never sag. A fence built of two main wires, both twisted or bent around the pickets, will in a few years give out, as the wind works the wires into the pickets and allows the fence to sag. It is just as cheap to build a fence in the former way, and it is the only proper way of building a picket fence, though either kind can be built with this machine. With this combined machine we can twist or braid two wires of the same size (as is done by other machines), and do it faster and better. We can also build the style first mentioned, which is the proper kind to build, using a heavy No. 8 or 9 wire and a smaller one (preferably No. 12) to wrap or wind around the larger one, firmly fastening the pickets to the same. By this mode of winding the small wire around the large one we do not weaken nor injure the grain of the wires in any measure whatever, making the fence *more than twice as strong and durable*. It will positively outlast two fences made with the wires twisted in the old way, for the reasons above stated, which any one can see for themselves. This is very important, for we want to sell you a machine with which you can build a fence that will last twice as long as any other picket-fence. As we have stated, you can build any other kind of fence with this machine, but, after building and testing the straight wire, you will never want any other.

This machine has one of the simplest and strongest stretching devices made.

It has the most convenient adjustment for unequal ground, and will at all times weave the pickets perpendicularly, keeping them level on the top and an equal distance apart.

The tension can be adjusted instantly, and at all times give the proper strain to the wires.

It will weave fence with the wires crossed or twisted, and any size of wire, as fast or faster than any machine made.

It will weave with one wire straight, thereby not injuring the strength of the wire, and the shrinkage of the pickets will not cause the fence to loosen and sway in the wind, as it does where they are held between two wires that have an equal strain—thus making a fence that cannot be equaled by any other machine.

It will weave any sized picket, from a house lath to a barn board, and hold them so firmly they cannot be driven out.

It will weave pickets any distance apart, from $\frac{1}{2}$ inch up, making a fence that will stop a small rabbit—a very important fact for fruit growers. Very easy to operate; two persons can easily build from forty to eighty rods in a day. Simple, and durably made and will last a life time.

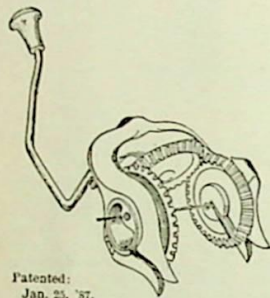
Cipher, Hoag.

Shipping weight, 80 lbs.

Price, each, \$12.

LANSING PATENT FENCE MACHINE.

The Very Latest Improved Machine for Building the Slat and Paling Fence, and for Fastening Pickets to Most Kinds of Barbed Wire Fence.



Patented:
Jan. 25, '87.
Apr. 3, '88.
Mar. 20, '91.

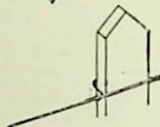


Fig. 1.

A FEW OF THE ADVANTAGES OF THIS MACHINE:

1. It is very much cheaper than others.
2. It is the simplest in construction.
3. It is the easiest to operate.
4. There is no mass of wire to lay out and tangle together.
5. There are but two or three wires used, according to the strength of fence wanted or size of wires.
6. Pickets can be taken off and replaced at any time without injury to the main wires.
7. Openings may be made by taking off two or three slats, and then closed with the machine again.
8. It builds a stronger fence, and one that can never sag.
9. Pickets can be fastened to nearly all varieties of barb wire.

The Lansing Patent Fence Machine is provided with a spacer (not shown in cut) so that the operator is not obliged to twist his wires to give the proper space between the pickets.

Two stretchers, also a wire cutter, are furnished with each machine. The stretcher can be seen in posts in illustration on page 7.

It is a settled fact that the SLAT AND WIRE FENCE, containing as it does, all that is necessary for a cheap and durable fence, is the STANDARD FENCE for the farmer.

This machine builds a cheaper fence, and one that will outwear any twisted wire fence put on the market, as the fence wires are *straight* and cover but one side of the picket while the wrapping wire passes around *three sides of the picket* and is wrapped around the main wire. This insures a much more durable fence than any other, as we have in no way affected the fibres of the main wires, which therefore, will not rot or rust, as they will where the grain of the wires has been opened and weakened.

The Lansing Patent Fence Machine is the only machine that fastens a picket to a single wire, and does it so that the picket can be removed without any injury to the fence, which will not sag or sway in the wind as other wire and picket fences do, as the shrinkage of the picket does not affect the main wire. It affects only the wrapping wire, and this is bound so tightly that it is impressed into the corners of the picket.

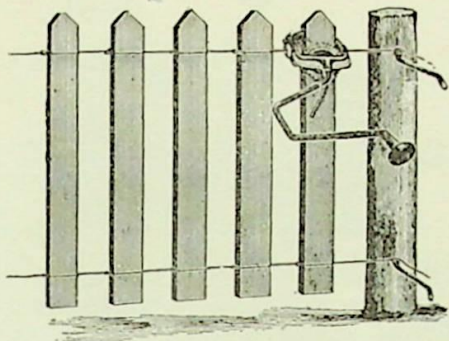


Fig. 2

Our machine needs no plank or track to run on as do other machines, but it is carried in the hand and so operated that a fence can be built in places where the other styles of machines cannot be operated, as, through marshes, over ditches, where underbrush has been cut, and around stumps or trees. When the operator is ready to build a fence he has only to take his machine and necessary wire in his hands and go, saving his time hitching up his horse or team to go fence building, as this machine (No. 2) including stretchers, only weighs twelve pounds (machine alone nine pounds).

The Lansing Patent Fence Machine is provided with hardened steel bushings and polished steel crank, is in every respect neat and durable, and with proper care will last a life time. It should be kept well oiled. Pickets can be fastened to wires as near the ground as six inches.

This machine is so cheap that every farmer can own his machine and build his fences when not busy at other work.

It is so simple that a boy can build the fence, and it cannot get out of order.

We are often asked "what is to prevent the pickets being shoved sideways on the main wires?" Answer—In twisting the short wire around the main wire the latter is slightly bent; enough so it is impossible to shove the pickets sideways.

LIST PRICE.

WEIGHT

No. 1—11½ lbs.	Cipher, Babette fastens pickets of any size, shape or thickness if not over 3 inches wide and one inch thick.	Price, each...	\$7 00
No. 2—9 lbs.	Cipher Bamboo, fastens pickets not over 2½ inches wide and one inch thick.	Price, each.....	7 00
No. 3—5 lbs.	Cipher, Bangle, fastens pickets not over 1½ inches wide and ½ inch thick.	Price, each.....	5 00
No. 30—5 lbs.	Cipher Hollinger, fastens wire stays.	Price, each.....	5 00

WRITE FOR DISCOUNT ON THESE PRICES.

It is not necessary to adjust the machine in order to change from one size picket to another.

With each machine except No. 30 we furnish a wire cutter for cutting the short wires, and a pair of stretchers for stretching main wires.

We can make machines that will fasten any style of wire stay quickly and durably. Send sample of stay you wish to use and we can furnish the machine needed.

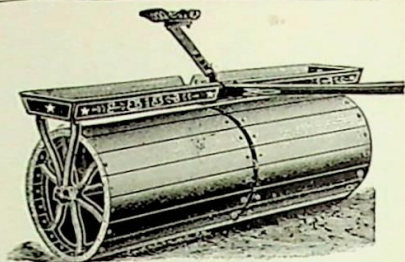


Fig. 109.

STAR FIELD ROLLER, NO. 109.

7½ Feet Long, Diameter 30 Inches.

This Roller has already gained a wide reputation, and has only to be seen to be adopted. It is made 7½ feet long, thereby enabling the operator to do a very large amount of work in one day. It being 30 inches in diameter, and the hitch midway between the tongue and ground makes the draft and handling very light. It is thoroughly balanced, so if loaded or not there is no load on the horses' necks. It has cast iron heads to which are bolted the staves, which are made of two-inch oak. They are made in two sections and revolve on a 1½ inch axle, so in turning the ground is rolled, not dragged up. The axle is held at both ends by strong cast standards, bolted solidly to the frame or box. The center standard by which the roller is drawn supports the axle also. Weight about 700 lbs. Roller painted two coats of vermilion, nicely striped and varnished. Drums painted brown. Cipher, Obese. Price, each, \$32.00.

STAR FIELD ROLLER NO. 115.

10½ Feet Long, 30 Inches in Diameter.

This Roller is so constructed as to enable you to roll all the ground. It leaves no ridges in the center, and conforms itself to uneven ground. It can be weighted when necessary for crushing lumps, although we do not claim this roller equal to a rigid one for this purpose, as it needs a roller of small diameter, such as our Star Cast Iron Roller. It is a very light draft and very easy to handle on account of its flexibility. The drums are 30 inches in diameter, the staves are bolted onto the heads and made of two-inch oak, shouldered to receive the iron heads, and so bolted to the heads as to be very strong and rigid. The heads revolve on 1½ inch axles which are held firmly by the cast standards bolted to frame. It covers 10½ feet of ground, and weighs 1,100 pounds. It has a comfortable spring seat. Roller painted two coats of vermilion, nicely striped and varnished. Drums painted brown.

Cipher, Octavo. Price, each, \$44.00.

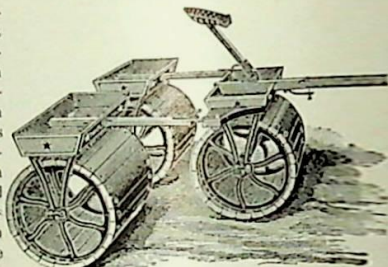


Fig. 115.

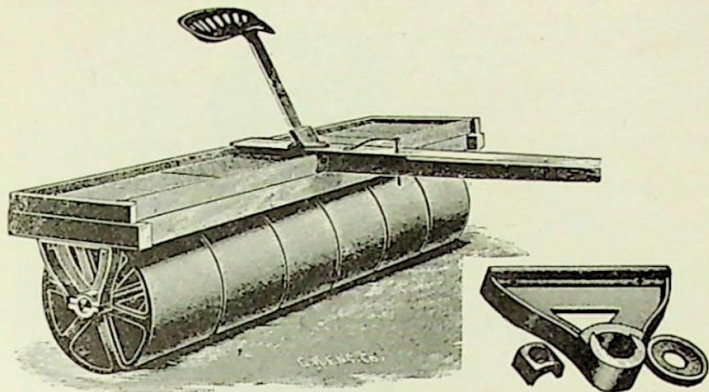


Fig. 113.

STAR CAST IRON FIELD ROLLER.

The Improved Standard represented in the small cut we consider the very best in use. The removable bearing of either wood or iron can be replaced at an expense of only about 25 cents, and has a hollow space to carry tallow so that the roller can at all times be oiled, and at the same time the bearing kept tight, so that no dust or sand can get in to cut or wear out the bearing. These are valuable improvements that will surely be appreciated by the user. All wood parts painted two coats, vermilion, striped and varnished. Weight, 1,600 pounds.

No. 113, 6 ft. long, 22 in. in diameter, 6 drums. Cipher, Obviate. Price, each, \$41.

No. 113½, 6 ft. long, 26 in. in diameter, 4 drums. Cipher, Occur. Price, each, \$48.

STAR STEEL DRUM ROLLER.

No. 117.

This cut shows our two section steel shell roller with a center hitch direct from the axle. The hitch being in the center, the draft is uniform, and all the weight is taken from the pole and leaves the roller perfectly balanced so that there is no weight whatever on the horses' necks. Farmers will appreciate the fact that there is no weight on the horses' necks. The end standard in which the axle rests is fitted with reversible bearing with a hollow space cup so that tallow can be carried and shaft kept oiled at all times.

Size of drum, 23 inches; each section 3 feet long; steel shell of 3-16 inch sheet steel; roller furnished with spring seat; weight of roller, 725 pounds. Cipher, Observe. Price, each, \$40.

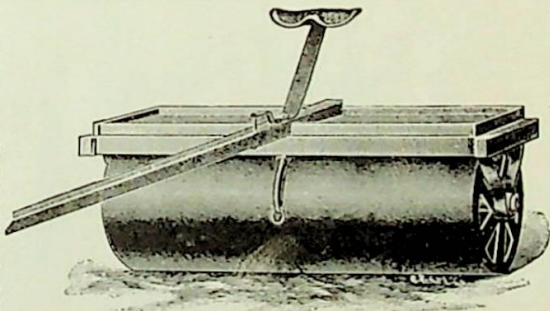


Fig. 117

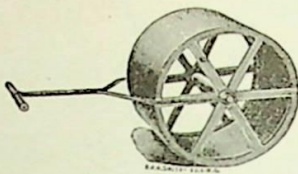


Fig. 116.

HAND ROLLER.

Just the Thing for Rolling Lawns.

Made entirely of iron. The Roller is one piece of cast iron 26 inches in diameter and 18 inches wide. Weight complete, 225 lbs.

Cipher, Hand.

Price, each, \$13.00.

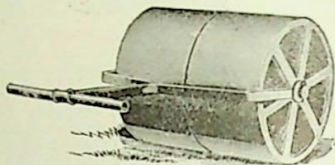


Fig. 119.

TWO SECTION HAND ROLLER.

Made entirely of cast iron and steel, with 2-inch axle on which revolve two cast iron drums each 12-inch tread and 22-inch diameter. Weight complete, 295 lbs.

Cipher, Handcuff.

Price, each, \$16.00.



Fig. 21.

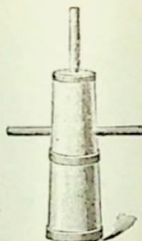


Fig. 23.

TAMPERS.

Made of solid sticks of oak 9 inches in diameter. Bound with heavy wrought iron bands. The square tamper is covered on the bottom with a $\frac{1}{2}$ -inch steel sheet.

Square Tamper	weight 70 lbs.	price, each, \$8.00
Round Tamper	weight 65 lbs.	price, each, 8.00

HERBERT PATENT HORSE POKE.

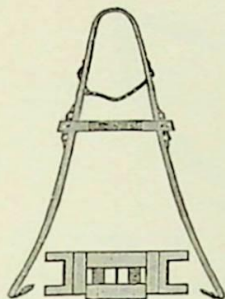


Fig. 124.

Poke Head, Cross Section.

We find many of our customers do not know *why* the farmer will pay a dollar for this poke, when he can buy a poke for fifty cents.

It is because *it is adjustable to fit any horse*—you do not have to keep a half-dozen sizes in stock.

It does not prevent a horse from eating, but does *prevent a horse from getting over the fence*.

We would ask our customers to remember these points, and *talk them*.

We request dealers who are in localities where this poke has not been properly introduced, to try a sample dozen. Put one on some horse that can be held by no other. That will soon give it a reputation that will increase your sales.

Cipher, Cascade. Price, per doz., \$.....

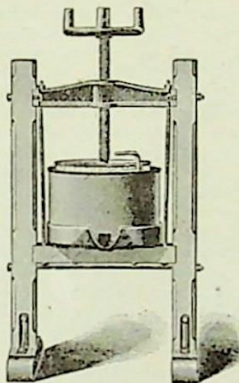


Fig. 147.

LARD OR WINE PRESS.

This style press has long been a favorite. There are radical defects in other makes which we have remedied. We make the strainer and cylinder of heavy iron, and the cylinder is closely fitted to the curb. The strainer, instead of resting loosely on the bed-plate, is held in place by a rim forming a part of the bed-plate. The curb is double the height of that in the ordinary press. Inside cylinder is tinned or galvanized. The whole is in every way strongly made and handsomely finished.

		WEIGHT EACH	LIST PRICE
No. 1, Cipher, Kennel, cylinder 12 inches diameter,	80 lbs.		\$10 00
No. 2, " Kangaroo, " 14 " "	160 "		15 00
No. 3, " Kinsman, " 16 " "	325 "		24 00
No. 4, " Kidnap, " 20 " "	410 "		30 00

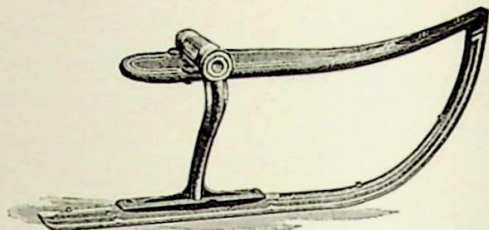


Fig. 24.

(Patent applied for.)

THE LANSING RUNNER.

When Snow Flies Take Off the Wheels and Slip On the Runners.

The Lansing Runner is manufactured of strictly first class material in a good and workmanlike manner. In finish, durability and appearance it cannot be excelled. It is so well shown in the cut that it hardly needs any explanation. The knee and axle box are formed of *one piece of malleable iron* instead of the usual network of clips and braces. It is so simple that it would seem impossible to simplify it more.

The Lansing Runner consists of a malleable knee, wood rave and steel shoe constructed in such a manner that it is impossible to get rickety or out of shape. The lower end of the knee has flanges that pass over each side of the runner to which it is securely bolted. The knee and hub are made of one piece of malleable iron. The hub contains a wooden box bored to fit axle. It is impossible for this box to become loose as it is held at one end by the shoulder of the axle and at the other by the nut which is tightened against the knee. The rave is fastened to the knee by four bolts and is strengthened by a steel sheet under rave through which the bolts pass.

Finish.—The Lansing Runner is usually finished in wine color and striped with gold. The paint is well rubbed down and they are very nicely varnished. One of the principal points of excellence of this runner is the fact that it is so well finished. Many styles of runners cannot be used on fine carriages without becoming the laughing stock of all who see them.

We furnish them with a difference of two inches in height between the rear and forward runners so the body of a carriage or wagon on which these runners are placed will be nearly level.

No.	Cipher.	Size of Axle to be Used on.	Size of Tire.	Weight per Set, Racked.	Capacity.	List Price pr set.
1	Noose	$\frac{1}{2}$ and 1 in.	$\frac{1}{2}$ x 1 in.	80 lbs.	1,000 lbs.	\$12 50
2	Nostril	$1\frac{1}{2}$ and $1\frac{1}{2}$ in.	5-16 x $1\frac{1}{2}$ in.	110 lbs.	2,000 lbs.	16 00
3	Noun	$1\frac{1}{2}$ and $1\frac{1}{2}$ in.	$\frac{3}{4}$ x $1\frac{1}{2}$ in.	140 lbs.	3,000 lbs.	19 50

Two sets of boxes are furnished with each set of runners so the same set of runners can be used on two sizes of axles.

MICHIGAN PATENT RUNNER.

For several years there has been a demand for a runner attachment that would be so nicely finished that it would not be out of place on a fine carriage. To meet this demand we have succeeded in securing the Michigan Runner, here illustrated. This

is finely finished and the most desirable runner attachment yet out. It is easily attached, will fit almost any vehicle that runs on wheels and it tracks with sleighs. When the runner is attached to a carriage the end of the axle is protected by a box made of two steel sheets pressed into the proper shape and securely bolted together, it being designed to protect the axle further by inserting cloth or leather between the sheets to prevent rubbing. Holes are punched

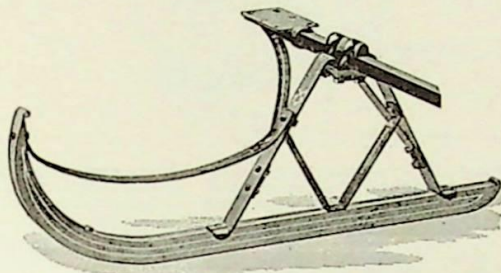


Fig. 25.

(Patented April 21, 1896.)

in the steps so that the bolts fastening the steps to the brace can be moved and in this way the place of attaching the runner to the axle can be varied by six inches. The knee or axle support is so constructed that the bearing rests underneath and forms a lock to prevent the runner from tipping over when coming in contact with an obstruction either going forward or backing up (as shown in Fig. 26). The braces are constructed entirely of steel, the only wooden part being the runner, which is made of the best rock elm or oak. The runners are nicely painted Tuscan red and striped; in fact, it is a neat job and can be used on the finest carriage without detracting from the appearance of the turnout. The rear runner is two inches higher than forward so that the body of the vehicle will be level. We will be pleased to fill orders from those using phaetons or other vehicles that require rear runner to be more than two inches higher than forward runner, at a small additional expense, if orders are placed early so that we can get them out with our regular line.

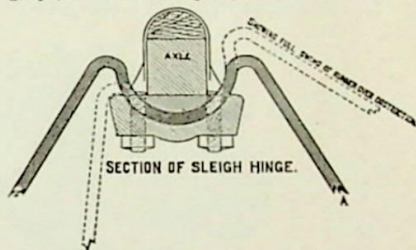


Fig. 26.

No.	Cipher.	Size of Axle to be Used on.	Size of Tire and Knee.	Weight pr. Set Racked.	Capac'y.	List price per Set.
11	Napkin	$\frac{3}{4}$ and 1 in.	$\frac{1}{2} \times 1$ in.	70 lbs.	1,000 lbs.	\$15 00
12	Native	$1\frac{1}{4}$ and $1\frac{1}{2}$ in.	$5-16 \times 1\frac{1}{2}$ in.	90 lbs.	2,000 lbs.	18 00
13	Negro	$1\frac{1}{2}$ and $1\frac{3}{4}$ in.	$\frac{3}{4} \times 1\frac{1}{2}$ in.	140 lbs.	3,000 lbs.	22 00
21	Nephew	$\frac{3}{4}$ and 1 in.	$\frac{1}{2} \times 1$ in.	Cart Runners		List price per Pair. \$10 00

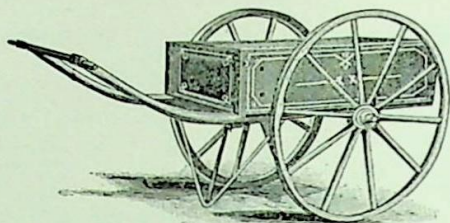


Fig. 3.

HAND CART.

Carts of this kind are growing in popular favor daily. Painters, carpenters, bill posters, masons, etc., find they are ahead of anything else for carrying tools and light material. Farmers, too, use them to good advantage about the orchard or garden. Handles on Carts Nos. 0, 3 and 6 are not bent.

No.	Cipher.	Diam. of Wheels.	Diam. of Axle.	Size of Box Outside.	Depth of Box.	Weight Each.	Packed for Export One Doz. Measures.	Price Each with 3 in. Tread Wheels	Price Each with Steel Wheels	Price Each with 1 in. Tread Wheel
0	*Badger	42 in.	1 in.	48x28 in.	10 in.	100 lbs.	110 cu. ft.	\$13 50	\$12 50	\$10 50
1	*Balcony	36 in.	$\frac{1}{2}$ in.	40x23 in.	10 in.	85 lbs.	90 cu. ft.	11 75	10 50	9 00
2	*Ballast	30 in.	$\frac{1}{2}$ in.	32x20 in.	9 in.	70 lbs.	70 cu. ft.	10 00	9 00	8 25

*Carts are shipped with 1 inch tread wood wheels unless otherwise ordered.

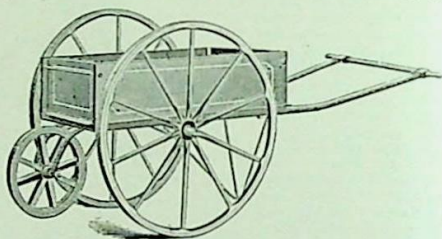


Fig. 4.

HAND CART.

With Third Wheel.

The third wheel is designed for use in cities, to assist in crossing gutter.

No.	Cipher.	Size.	Price Each with 3 in. Tread Wheels	Price Each with Steel Wheels	Price Each with 1 in. Tread Wheels
3	*Balsam.	Same as No. 0.	\$15 00	\$14 00	\$12 00
4	*Baltic.	Same as No. 1.	13 25	12 00	10 50
5	*Beauty.	Same as No. 2.	11 50	10 50	9 75

*Carts are shipped with 1 inch tread wood wheels unless otherwise ordered.

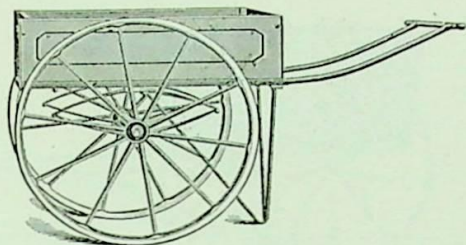


Fig. 5.

HAND CART.

With Wagon Seat Springs. (Box easily adjusted).

No.	Cipher.	Size.	Price Each with 3 in. Tread Wheels	Price Each with Steel Wheels	Price Each with 1 in. Tread Wheels
6	* Barebone	Same as No. 0.	\$15 00	\$14 00	\$12 00
7	* Beaver	Same as No. 1.	13 25	12 00	10 50
8	* Beetle	Same as No. 2.	11 50	10 50	9 75

*Carts are shipped with 1-inch tread wood wheels unless otherwise ordered.

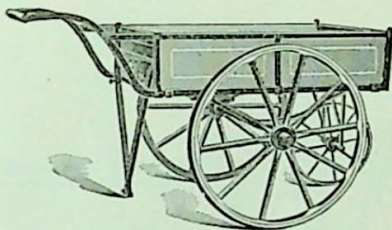


Fig. 17.

KEYSTONE CART.

Cipher	Size of Box.	Depth of Box.	Diameter Wheel	Weight.	Price.
Keystone	24 x 39 in.	10 in.	30 in.	100 lbs.	\$14 00

Price is same with either wood or steel wheels.

Wheels do not project above box. Load can be laid on top of as well as inside of box, and leg folds up to handle when desired. A very light, neat cart.

Drop end gate on any cart \$1.00 additional to list price.

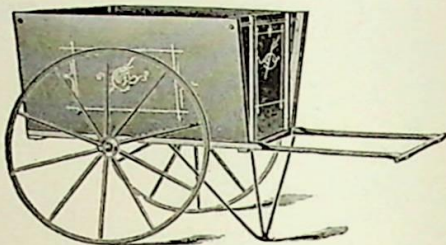


Fig. 16

LAWN CART.

Box 48 x 28 inches; 24 inches deep and flaring; 38 inches wide at top. 30-inch wheels.

A cart with very deep box designed for use in carrying leaves and other light material.

Nicely painted green and vermillion, striped and varnished.

Cipher, Lawn. Price, each, \$17.00.

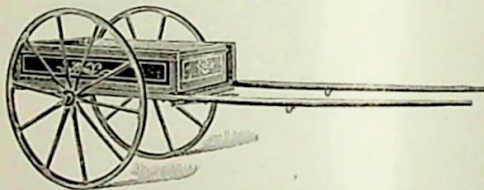


Fig. 160.

MEXICAN DONKEY CART.

Same size as No. 1 Cart, but made with shafts for donkey, making an excellent vehicle for use in carrying small loads. Weight, 110 lbs.

Cipher, Poodle. Price, each, \$25.00.



Fig. 162.

LEAF RACK ATTACHMENT FOR WATER CART.

We have recently added a very light leaf rack, which will be found extremely convenient for the cartage of leaves, cut grass from the lawn, etc.

Knocks down *flat*, taking very little room for storage.

This leaf rack has an average width of 28 inches by average length of 42 inches and is 21 inches deep.

Cipher, for complete cart, Blame.

Price, \$11.00

" rack only, Blameless.

Price, 5.00

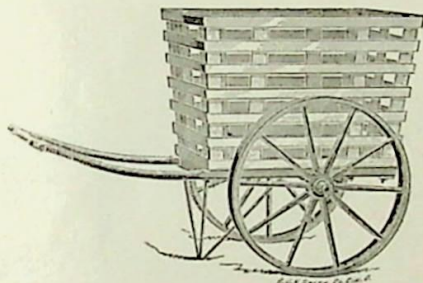


Fig. 27.

LEAF CART.

This is our No. 2 hand cart with a very light wood rack designed for carrying leaves and other light material. The rack is adjustable, is 30 inches high and made of elm dressed $\frac{1}{2}$ inch thick. Wheels are 30 inches in diameter. Bottom of rack or deck of cart 20 x 32 inches.

Cipher, Leaf.

List price, \$13.00

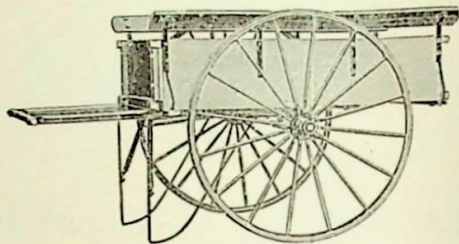


Fig. 13.

HEAVY PUSH CART.

The Hand Carts Nos. 0 to 8 are strong enough for all ordinary work, but for ~~some~~ purposes a very heavy cart is needed. We show one above. Box inside, 33 x 48 inches, 12 inches deep. Wings, 4 inches wide. Wheels 42 or 48 inches diameter. 1/2 inch tread, heavy wood hubs, 1 1/2-inch axles. Turned bearings. Cart painted green running gear vermillion, striped and varnished. Packed for export measure 22 cubic feet; in lots of a dozen about 140 cubic feet.

Cipber, Bower.

Weight, 230 lbs.

Price each, \$25.00

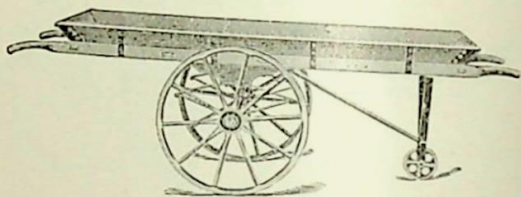


Fig. 14.

FRUIT CART.

Slanting box, 2 1/2 x 7 feet and 5 inches high. Wheels, 30-inch diameter. Any ~~size~~ made to order. One of the most convenient carts for fruit dealers.

Cipber, Italy.

Weight, 150 lbs.

Price, each, \$18.00

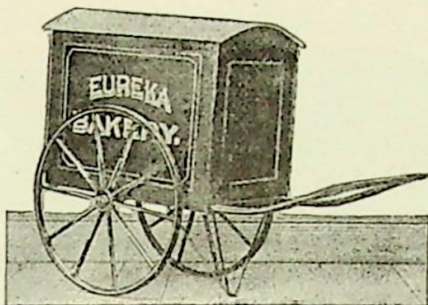


Fig. 10.

BREAD AND LAUNDRY CART.

There is no better advertisement than one of these carts, nicely painted and varnished, and with firm name and business on sides. Furnished with ventilators in sides if desired.

The only size carried in stock is same size as No. 1 Cart, with box 30 inches high and with one door in end. Packed for export singly, measure 24 cubic feet; half dozen lots measure 75 cubic feet.

Cipher, Baker.

Weight, 130 lbs.

Price each, \$20.00.

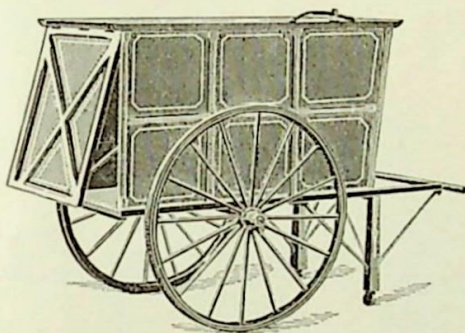


Fig. 11.

GRAIN OR MALT CART.

Made with Wheels 48 inches in diameter. Box 4 feet 10 inches long; 2 feet 6 inches wide on bottom, 3 feet wide on top, with an iron rod or handle passing through box with which to open end-gate. This is a very convenient dump cart for grain or malt. Weight, 175 lbs.

Any size made to order.

Cipher Bazaar.

Price each, \$40.00.

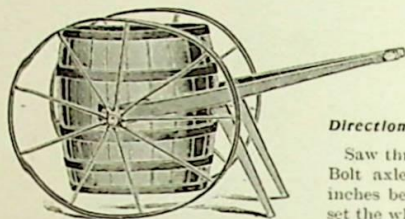


Fig. 28.

Directions for Bolting axle to Barrel

Saw three inches off the top of barrel.
Bolt axle on barrel one and one-half inches below center of bilge, this will set the wheels out a trifle at the top.

WESTERN BARREL CART

Large numbers of these carts are being sold. The carts are permanently attached to the barrel, so it is necessary to have a cart for each barrel. Every hardware and agricultural implement dealer should carry these carts in stock.

Furnished with 36-inch steel wheels. Weight each, without barrel, 55 lbs.

Cipher, with barrel, Bagpipe.

Price each, with barrel, \$7.00

Cipher, without barrel, Baggage.

Price each, without barrel, 4.50

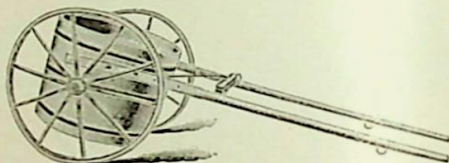


Fig. 161.

WATER CART WITH SHAFTS.

The tank is of two barrel capacity and made of 2-inch cypress. Pump can be attached if desired. Cart and shafts are nicely painted blue, wheels red.

Diameter of wheels 36 inches.

Cipher, Pongee.

WATER OR BARREL CART.

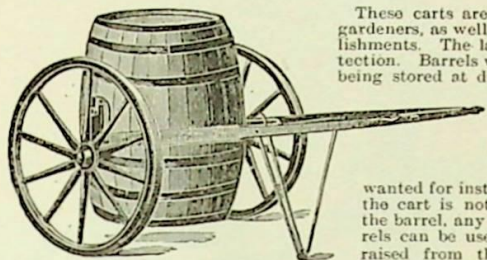


Fig. 6.

without handling. The weight being balanced over the axle no lifting or down pressure is needed in transportation. The trunnions can be readily attached to all oil or spirit barrels, thus increasing indefinitely the value of the cart.

Frames shown in Figs. 6, 7, 8 and 29 are the same. Width over all about 40 inches; length over all about 70 inches. It will be noticed that a large number of combinations can be made.

The list prices of the ones usually desired are given below.

Packed for export, carts without barrel measure about 90 cubic feet per dozen.

Description.	Clipher.	List Price Each
Water Cart Fig. 6, no box or barrel (frame only).....	Blackfish.....	\$6 00
Water Cart Fig. 6, with barrel (no box).....	Blackberry.....	8 50
Water Cart Fig. 7, with box (no barrel).....	Blackbird.....	9 50
Water Cart Fig. 7, with box and barrel.....	Blackball.....	12 00
Water Cart Fig. 8, no box, with barrel and sprinkler.....	Blackleg.....	12 50
Extra boxes.....		3 50
Extra barrels with pair trunnions.....		2 50
Extra trunnions per pair.....		30
Water cart and barrel with pump, Fig. 29 (no box).....		16 00
Extra pumps.....	Pump.....	7 50
Above if furnished with 3-inch tread wheels, extra.....		1 75
Leaf racks Fig. 162, extra.....	Blameless.....	5 00

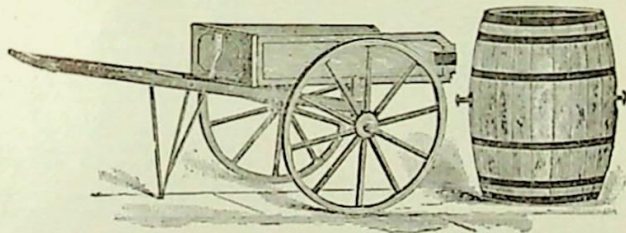


Fig. 7.

WATER OR BARREL CART—With Box.

WATER OR BARREL CART WITH SPRINKLER ATTACHMENT.

Many will remember having seen these carts at the World's Fair where they were used in the buildings for keeping the floors sprinkled to prevent dust rising.

They are invaluable for railroad stations, watering lawns about houses, etc. The attachment consists of a perforated wrought-iron pipe bent on a circle, the water being thrown outside and in front of the wheels. The water is turned on and off by a handwheel valve. Cipher for cart with barrel and sprinkling attachment, Blackleg.

Price of attachment, \$4



Fig. 8.

WATER CART AND BARREL WITH PUMP.

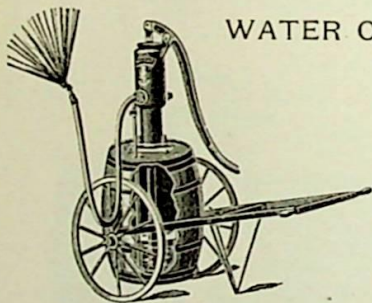


Fig. 29.

Fig. 29 represents the water cart and barrel with pump. This outfit will be found very convenient for spraying purposes as it enables the user to carry a barrel of liquid at a time and to reach places that it would be impossible to reach with a team and wagon.

When used with the barrel cart, (Fig. 6) pump can be set on any part of chimb for either right or left handed person. The cart can be pushed from place to place and the barrel can be readily disconnected

from or attached to the truck while barrel is either full or empty.

When the running gear (of Fig. 6 barrel cart) is ordered without barrel, the trunnions may easily be fastened to any good water tight barrel by a person with ordinary mechanical ability.

The combination of barrel cart (Fig. 6) and gem pump, as shown in the above cut makes a splendid spraying outfit. If desired a horse can be hitched to this barrel cart. The working parts of pump are all brass. This pump has 4-inch stroke and 1½-inch cylinder. See price list on page 21.

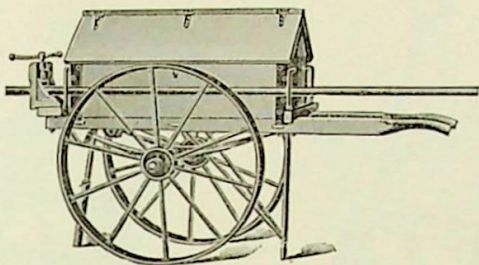


Fig. 352.

GAS FITTERS' TOOL CART.

This is a very strong and substantial cart designed to carry gas fitters' and plumbers' tools. These carts are large enough to hold shovels and picks and high enough to hold lanterns.

Both sides of roof are hinged.

The side braces form convenient receptacles for carrying pipes. About eight pieces of 1½-inch pipe can be carried at a time. A vise rest is provided so that cart can be used as vise bench. The box is made of hardwood so the throwing in of tools will not wear it out. Extra heavy wheels, 36 inches in diameter. Vise is not furnished.

Box 24 x 48 inches, 14 inches deep at sides.

Cipher, Gasfitter.

Price, each, \$36.

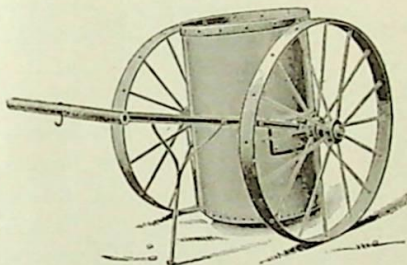


Fig. 353.

STREET CLEANER'S CART.

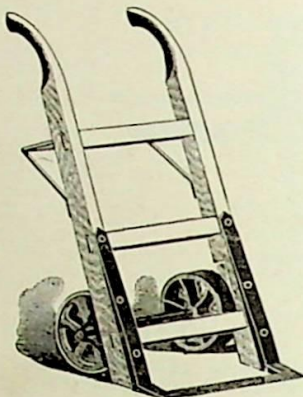
This cart is designed for use in cities by street cleaning departments for removing refuse from the streets. Tank is made of galvanized iron. Capacity, one barrel.

Cipher, Bankrupt.

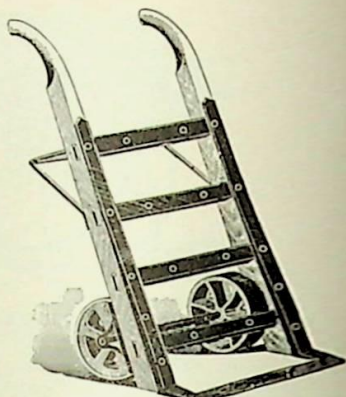
With wood wheels, price each, \$32.00

Cipher, Bantam.

With iron wheels, " " 34.00



HALF BOUND. FIG. 30.



FULL BOUND. FIG. 31.

STEEL NOSE STORE AND WAREHOUSE TRUCKS—Western Pattern.

All our trucks have Steel Noses, Forged Axles and Turned Bearings.

DIMENSIONS.

No.	Cipher for Iron Wheel Trucks.	Description.	Weight, lbs.	Length of Handles, Inches.	Diameter of Wheels, Inches.	Width, Inches.	One Dozen Packed for Export Measure About.	* Price Each with Rubber Wheels.	Price Each with Iron Wheels.
0 W	Saber	Half Bound, Fig. 30.....	32	42	6	18	7 cu. ft.	\$12 50	\$6 00
1 W	Sally	Half Bound, Fig. 30.....	43	48	7½	19	12 cu. ft.	15 00	7 00
2 W	Scamp	Half Bound, Fig. 30.....	60	52	8½	20	15 cu. ft.	18 50	9 00
3 W	Saloon	Half Bound, Fig. 30.....	77	56	9½	22	17 cu. ft.	24 00	13 00
4 W	Saturn	Half Bound, Fig. 30.....	110	62	10½	24	23 cu. ft.	32 00	16 00
21 W	Sash	Full Bound, Fig. 31.....	50	48	7½	19	13 cu. ft.	16 00	8 00
22 W	Satan	Full Bound, Fig. 31.....	68	52	8½	20	16 cu. ft.	19 00	10 50
23 W	Sago	Full Bound, Fig. 31.....	87	56	9½	22	18 cu. ft.	28 00	15 00
24 W	Sailor	Full Bound, Fig. 31.....	125	62	10½	24	24 cu. ft.	34 50	18 50

* Only the highest grade rubbered wheels are used. Rubbers cannot become detached, see page 122.

These trucks are firmly bolted together and have forged axles with turned bearings.

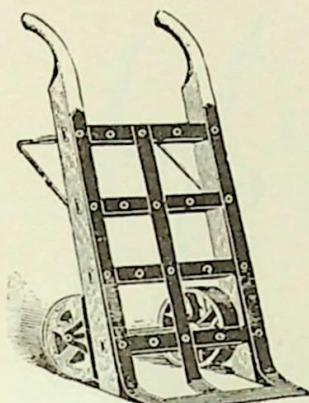


Fig. 32

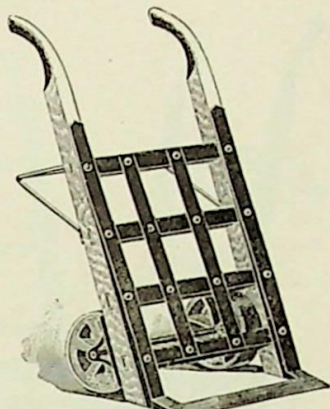


Fig. 33

STEEL NOSE RAILROAD AND STEAMBOAT TRUCKS—Western Pattern.

All our Trucks have Steel Noses, Forged Axles and Turned Bearings.

EXTRA HEAVY, FULL BOUND.

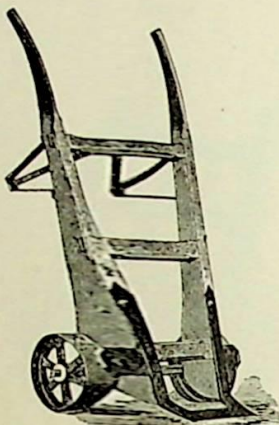
DIMENSIONS.

No.	Cipher for Iron Wheel Trucks.	Description.	Weight lbs.	Length of Handles.	Diameter of Wheels	Width.	One dozen Packed for Export Measure.	* Price Each with Rubberized Wheels	Price Each with Iron Wheels
34 W	Fagot	Two Straps in Center....Fig. 33.....	130	62-in.	10½-in	24-in.	24 cu. ft.	\$36 00	\$20 00
44 W	False	One Middle Strap... Welded to Nose, Fig. 32.	135	62-in.	10½-in	24-in.	26 cu. ft.	38 00	22 00
144 W	Fas-tidious	One Middle Strap... Welded to Nose, Fig. 32.	150	62-in.	12-in	24-in.	30 cu. ft.	42 00	24 00

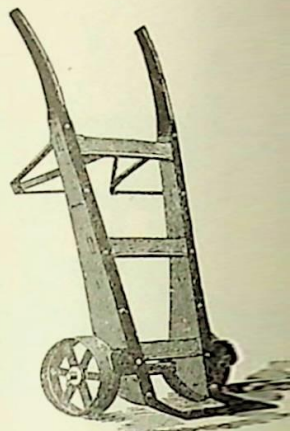
* The ordinary cemented rubbered wheels would be of no use on these heavy trucks. We use the rubbered wheels shown on page 122.

These trucks are made extra heavy for depot and dock use, and will stand rough handling.

In comparing this list with others, take into consideration the *weight* of the trucks.



HALF BOUND. Fig. 35.



STRAPPED UP. Fig. 36.

STEEL NOSE TRUCKS—Boston Pattern.

No.	Clipher Iron Wheel Trucks.	Figure.	Length of Handles, Inches.	Width at Nose, Inches.	Width at Upper Bar, Inches.	Diameter of Wheels, Inches.	Weight lbs.	One Dozen Packed for Export Measure About.	* Price Each with Rubber Wheels.	Price Each with Iron Wheels.
0 B	Blockhead ..	35	42	10½	14½	6	30	7 cu. ft.	\$12 50	\$5 00
1 B	Blonde	35	49	11½	18	6	38	12 cu. ft.	13 50	7 00
2 B	Bloodshed...	35	54	13½	21	7½	50	15 cu. ft.	16 50	8 50
3 B	Blowpipe...	35	58	14½	22	9½	70	17 cu. ft.	23 00	10 50
4 B	Bottle	35	62	15½	22	10½	100	23 cu. ft.	31 00	13 00
21 B	Bluster	36	49	11½	18	6	45	12 cu. ft.	14 50	8 00
22 B	Bath	36	54	13½	21	7½	55	16 cu. ft.	17 50	9 50
23 B	Bristol	36	58	14½	22	9½	80	18 cu. ft.	24 00	11 50
24 B	Boxer	36	62	15½	22	10½	105	24 cu. ft.	32 00	14 00
25 B	Banquet	36	63	18	22	10½	120	26 cu. ft.	34 00	16 00
26 B	Boatman.....	36	70	20	23½	12	132	30 cu. ft.	38 00	20 00

* The rubbers cannot become detached by use, see page 122.

List price for Fig. 36 if full bound, i. e., with cross bars covered with iron is 10 per cent higher than above.

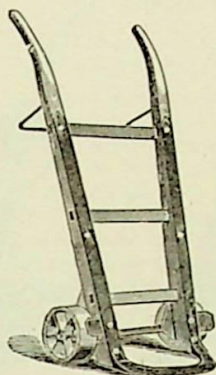


Fig. 172.

No. 2. STRAPPED UP

STEEL NOSE TRUCKS—N. Y. Pattern.

No.	Cipher. Half Strapped.	Cipher. Strapped Up.	Length of Handle.	Width at Upper Bar.	Width at Nose.	Diam. of Wheel.	Weight lbs.	Half Strapped.	Strapped Up.
1	Nabob . . .	Namesake	48-in.	17½-in.	13-in.	6-in.	33	\$4 85	\$6 50
2	Narcotic .	Nautilus ..	52-in.	19½-in.	14½-in.	7-in.	50	6 00	8 00
3	Nebula . .	Nectary ..	56-in.	21-in.	15-in.	8-in.	58	7 00	9 00
4	Nectar . . .	Nectarine .	62-in.	22-in.	15½-in.	10-in.	80	8 00	10 00
5	Needle . . .	Negation .	63-in.	22-in.	17½ in.	10½-in	100	9 50	11 50
6	Negative.	Neighbor .	68-in.	23-in.	18½-in.	12-in.	110	11 50	13 50

These trucks have turned bearings. Wheels bored accurate to size. All parts made to templet and thoroughly bolted together. Made of hardwood throughout.

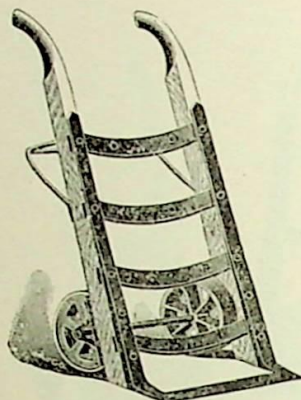


Fig. 34.

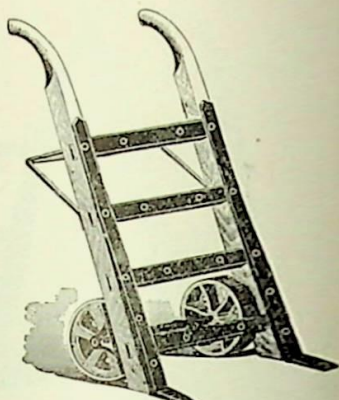


Fig. 43.

BARREL TRUCKS

With Bent Iron Cross-Bars.

COTTON TRUCKS

Western Pattern.

STEEL NOSE.

EXTRA HEAVY, FULL BOUND.

DIMENSIONS.

No.	Cipher for Iron Wheel Trucks.	Description.	Weight lbs.	Length of Handles, Inches.	Diameter of Wheels, Inches.	Width at Nose, Inches.	One Doz. Packed for Export Measure About.	*Price Each with Rubber Wheels.	Price Each with Iron Wheels.
71 W	Festoon.	Full Bound, Fig. 34	50	48	7½	19	13 cu. ft.	\$17 00	\$9 00
72 W	Fendal	Full Bound, Fig. 34	75	52	8½	20	16 cu. ft.	20 00	11 00
73 W	Finger..	Full Bound, Fig. 34	90	56	9½	22	18 cu. ft.	28 50	16 00
24 C	Aggress	Full Bound, Fig. 43	125	62	12	24	24 cu. ft.	38 00	20 00
25 C	Acorn..	Full Bound, Fig. 43	130	62	14	24	26 cu. ft.	46 00	24 00

* The rubbers can never become detached by use, see page 122.

These trucks are firmly bolted together and have forged axles with turned bearings. Fig. 34 trucks can be furnished with upper cross-bar of wood when so desired. No. 24 C furnished with 10-inch wheels or with wheels outside handles, if desired.

CARGO TRUCK.

STEEL NOSE, TURNED BEARINGS.

A very heavy truck popular for use on wharves and at railroad depots. The frames are made of very tough wood, the lower cross-bar extends out over the wheels forming a shield for them, the upper cross-bar is doubled forming a heavy brace for the handles. Length of handles, 5 feet; width at nose, 17 inches; width at upper bar, 21 inches; diameter of wheels, $10\frac{1}{2}$ inches, with 3-inch face; turned bearings. Weight, 120 lbs.

Cipher, Spray.

Price each, \$22.00.

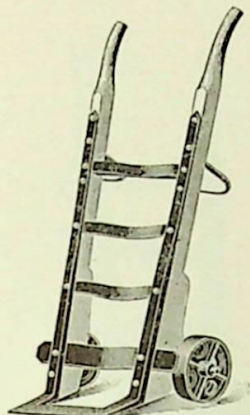


Fig. 49.

FEED OR GRAIN
TRUCK.

Used in wholesale feed stores and any place where large bags are to be handled and it is impractical to use a four-wheeled truck.

Steel noses, axles turned and wheels bored. Width, 28 inches; length, 76 inches; wheels 14 inches in diameter. Weight, 175 lbs.

Cipher, Feed.

Price each, \$30.00.

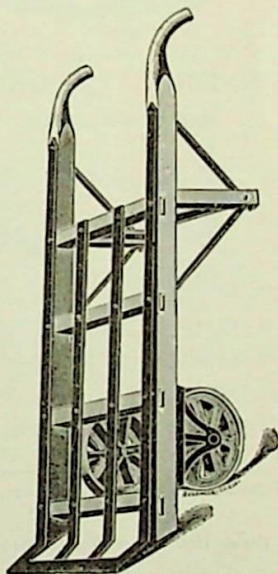


Fig. 45.

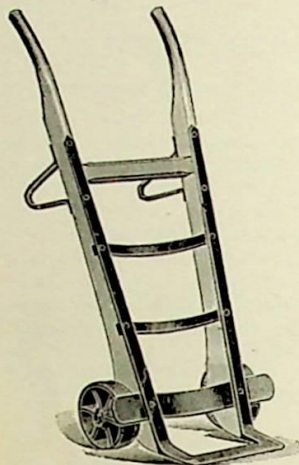


Fig. 67.

BARREL TRUCKS

BOSTON PATTERN.

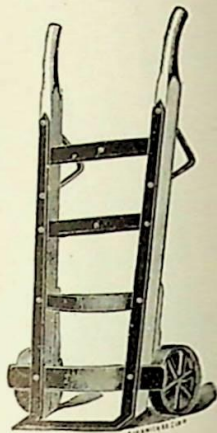


Fig. 44.

BALTIMORE
BARREL TRUCK

No.	Cipher for Iron Wheel Trucks.	Figure.	Length of Handles, Inches.	Width at Nose, Inches.	Width at Upper Bar, Inches.	Diameter of Wheels, Inches.	Weight lbs.	One Dozen Packed for Export Measure About.	* Price Each with Rubber Wheels.	Price Each with Iron Wheels.
61	Flounce.....	67	49	11½	18	6	40	12 cu. ft.	\$15 00	\$8 50
62	Flounder....	67	54	13½	21	7½	54	16 cu. ft.	19 00	11 00
63	Flower.....	67	58	14½	22	9½	71	18 cu. ft.	25 00	13 50
64	Fogy.....	67	62	15½	22	10½	116	24 cu. ft.	34 00	16 50
65	Floodgate....	67	63	18	22	10½	130	26 cu. ft.	38 00	20 00
54	Florid.....	44	60	16	21	9½	90	24 cu. ft.	28 00	18 00

* The rubbers can never become detached by use, see page 122.

For all Iron Slats on Fig. 67 add \$1.00 to list.

These trucks are firmly bolted together and have forged axles with turned bearings.

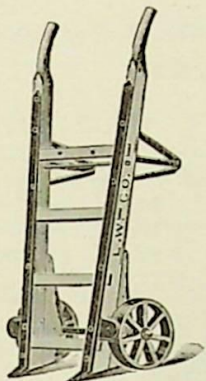


Fig. 163.

NEW ORLEANS COTTON TRUCK.

No. 5 N. O. Width at Nose 17 1/4 Inches.

Length of handles 66 inches. Width at upper bar, 22 1/2 inches; diameter of wheel, 12 inches. The wheels are protected by pressed steel shields. Weight about 100 lbs. each.

Cipher, Frugal.

Price each, \$20.00.

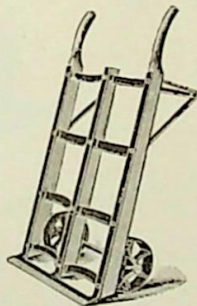


Fig. 66.

CANDY PAIL TRUCK.

Used for carrying at one time two piles of candy pails or other light material.

Cipher, Candy.

Price each, \$20.00.

LISPENARD TRUCK.

Length of handles, 53 in.; width nose, $14\frac{1}{2}$ in.; width at upper cross-bar, $19\frac{1}{2}$ in.; wheels, $7\frac{3}{4}$ in. x $2\frac{1}{4}$ in.; axles 1 in. square. Weight each 62 lbs.

Cipher, Chaplet. Price each, \$13.00.

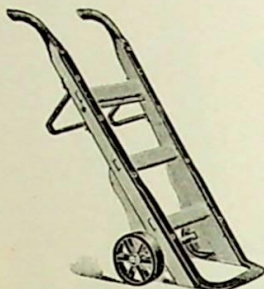


Fig. 176.

CALIFORNIA
WHEAT TRUCK.

Fig. 175.

No.	Cipher.	Length Handles.	Width at Upper Bar.	Width at Nose.	Size of Wheel.	Axle Sq.	Weight Each.	Price Each.
93	Chant.....	4 ft. 8 in.	19 in.	15 in.	$10\frac{1}{2}$ x 2 $\frac{1}{2}$	$1\frac{1}{2}$	75 lbs.	\$16 00
94	Chaos.....	4 " 11 "	20 $\frac{1}{2}$ "	16 "	12 x 3	$1\frac{1}{4}$	110 "	18 00

These trucks are the style used on the Pacific coast. They are made of selected material and are firmly bolted together. The noses are extra long for handling grain sacks. The trucks weigh exactly 75 and 110 lbs. respectively.

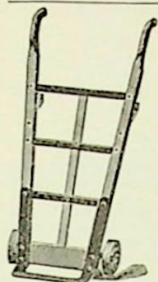


Fig. 46.

LANSING AND DANDY BAG TRUCKS.

Bent Plow Handles.

The Dandy Truck is furnished without legs and with rounded nose. Both are made from first-class material and nicely oiled and varnished, the Lansing Truck being designed for heavier work, and is much more strongly built.

	Cipher for Iron Wheel Trucks.	Weight, lbs.	Length of Handles.	Diam- eter of Wheels.	Width at Nose	Packed for Export One Dozen Measure	Price Each Rub- bered Wheels.	Price Each Iron Wheels.
Dandy Truck	Abandon	19	46 in.	6 in.	11 in.	6 cu. ft.	\$8 00	\$4 50
Lansing Truck	Abash	27	46 in.	6 in.	12 in.	8 cu. ft.	9 50	6 00

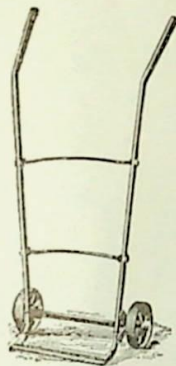


Fig. 42.

ASH CAN TRUCK.

A light steel truck with side rails of 1 x $\frac{5}{8}$ inch iron, and bent cross-bars of round iron.

Cipher, Admission.

Weight, each, 25 lbs. Price, each, \$6.

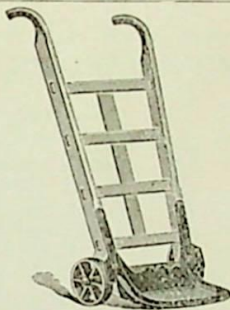


Fig. 41.

HEAVY BAG TRUCK

With Bent Plow Handles.

This truck is furnished with extra heavy cast nose and is designed for handling large sacks. Length of handles, 48 inches; width of truck at nose, 15 inches; width at upper cross-bar, 20 inches; 1 inch steel axle with turned bearings; iron wheel, 6 inches diameter, 2 inch face. Weight, each, 60 lbs.

Cipher for iron wheeled truck, Advent.

List price with iron wheels, \$9.00.

List price with patent rubbered wheels \$12.00.

No. 50 BAG TRUCK

With Stamped Steel Nose.

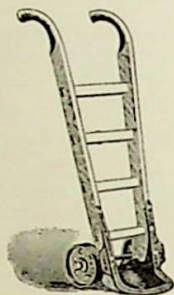


Fig. 50.

The ordinary Bag Truck of this style is made with nose of cast iron; as they must be light the noses are very easily broken, being often broken in shipping.

At considerable expense we have put in special machinery for stamping the noses of these trucks from a solid piece of steel making the nose the strongest part of the truck. Our customers, we feel sure, will appreciate the fact that for this reason these trucks are superior to any other bag trucks made. They are so cheap that every farmer should have one, and by a little push on the part of the dealer a large number can be disposed of.

Turned bearings, length, 42 inches, width at nose, 11½ inches, diameter of wheels, 6 inches; weight each, 19 lbs., packed for export measure, 6 cubic feet per dozen.

Cipher (with iron wheels), Advert.

Price each, with rubbered wheels, ...\$8.00.

Price each, with iron wheels, ...\$1.50.

MINNEAPOLIS BAG TRUCK.—Fig. 37.

This is a Bag Truck with very long nose useful in handling large bulky sacks.

Length of handles, inches, ...43

Width of truck at nose, inches, ...11½

Length of nose, inches, ...9

Width at upper cross-bar, inches, ...17

Wheels, diameter, inches, ...6

Weight, 30 lbs.

Cipher, Affix.

Price each, \$8.00.

COMBINATION KEG TRUCK.—Fig. 39.

This is a very useful truck for handling kegs—indeed it is surprising that even large barrels of sugar, etc., are easily handled on this truck. Kegs can be handled more rapidly on this truck than on any other.

Diameter of wheels, 5 inches, 1½-inch tread.

Length of handle, 60 inches.

Weight, 23 lbs.

Packed for export, 1 doz., measure 5 cubic feet.

Cipher, Combination.

Price each, \$4.50.



Fig. 39.

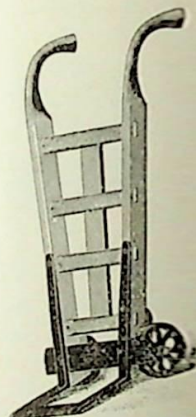


Fig. 37.

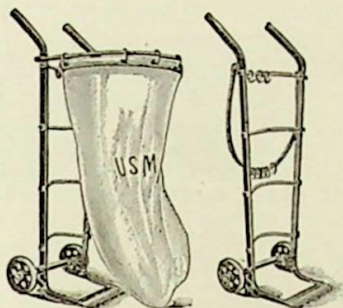


Fig. 69.

MAIL SACK TRUCK WITH HOLDER.

A very useful article in large printing houses for holding mail bags. Made to hold the regular U. S. mail bag. With round rubbered wheels.

Cipher, Samuel.

Price, each, \$12.

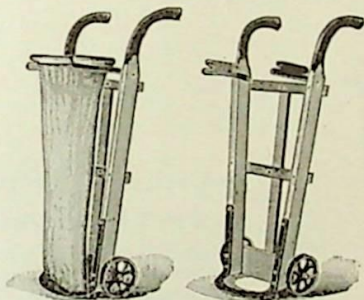


Fig. 74.

LANSING BAG HOLDER.

Useful in every feed store, flour mill, etc. Can be attached to any of our bag trucks, and most other trucks.

Price, each, (of holder only) \$1.20.

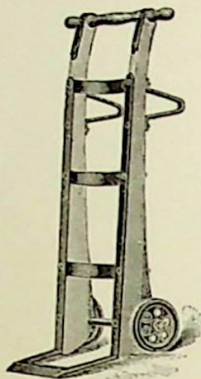


Fig. 62.

CARPET TRUCK.

This cut illustrates a truck that is extensively used by hotels and carpet houses, and is especially adapted for handling rolls of carpet. The cross-handle is of wood, while the three curved cross bars are made of iron. The truck is furnished with 6-inch round rubber-tired wheels. Length of handle, 40 inches; width of frame, 14 inches. Weight, about 32 lbs. Packed for export measures about 12 cubic feet.

Cipher, Carpet. Price, each, \$14.

LITTLE GIANT TRUCK.

For Shoe and other Light Boxes.

Length of handle, 56 inches; width at nose, 10½ inches; diameter of wheels, 3½ inches. Weight, 12 lbs.

Packed for export, 3 dozen measure 12 cubic feet.

Cipher, Giant. Price, each, \$3.00.

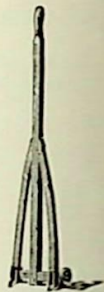


Fig. 88.

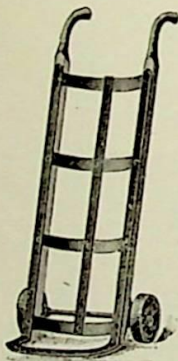


Fig. 100.

CHEESE TRUCK

With Bent Plow Handles.

This truck has four curved iron cross-bars with center strap running full length of truck firmly riveted to each cross-bar, making a very strong, rigid truck. Width of frame, 16 inches; handles 54 inches long; wheels 7 inches in diameter. Steel axles with turned bearings. Weight of truck, about 50 lbs.

Cipher, with rubbered wheels, Adage. Price, each, \$16.00.

Cipher, with iron wheels, Ague. Price, each, ...\$12.00.

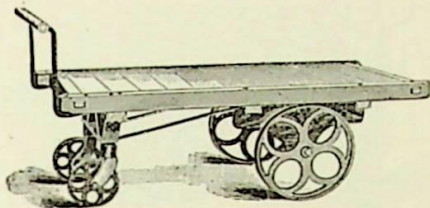


Fig. 40.

THE REYNOLDS IMPROVED TRUCK.

This truck will be found especially adapted to the wants of merchants, millers and warehouse men. Jobbers in almost any line will find by its use a great saving of time and expense. We make them to fit elevators or scales, and thus do away with transferring from truck to elevator or scales, and *vice versa*.

Nicely painted and striped, or oiled and varnished.

The REYNOLDS IMPROVED TRUCK has many points of excellence and superiority over the common truck, as will be readily seen by comparison.

The front wheels being casters the truck will turn in its own length, and can be run on elevator or scales from any angle. The running gear is so arranged that it can be run on any dormant warehouse scale of one ton capacity. The wheels are so large in diameter, and so much of the weight of the load comes directly over them, that one man can carry twice as much on it as upon any other truck made; and as, instead of the ordinary rigid rest in front, there are two caster wheels, the operator can turn truck in any direction with great ease. As it requires but one man to operate it, it can readily be seen that the saving in labor would soon pay for the truck. We have many testimonials from parties who have them, pronouncing them the best thing of the kind they have ever used. For making up orders and unpacking goods it is almost

Fig. 51.

indispensable. We make trucks any size to suit elevators. We keep in stock twenty-one sizes of these trucks, with 12, 18 and 24-inch wheels and 6, 9 and 12-inch casters; with iron or wood racks for wholesale houses, factories, etc., and also with boxes made with sides to let down, or with removable ends and sides.

Nearly everyone purchasing the Reynolds Improved Truck write us after the tenor of the few letters below:

From W. J. Gould & Co., Wholesale Grocers, Detroit, Mich.:

"We have used one of the Reynolds Improved Mill, Warehouse and Merchants' Trucks for some time past. It will do all that is claimed for it; will turn in its own length, run on and off the elevator from any angle, and one man has handled it easily when loaded with 1,875 lbs. Our men are enthusiastic in its praise, and think they cannot get along in the warehouse without it. We cheerfully recommend it as being the most complete warehouse truck we have ever seen."

O. J. King, Retail Grocer, Lincoln, Neb.:

"I am very much pleased with the style and working of the Reynolds Truck shipped me last spring. I cannot see any way to improve it. We frequently load 1,000 lbs. (light truck) upon it, and can turn around nicely between counters and angles about store."

T. H. Jackson & Co., Manufacturers Patent Medicine, Quincy, Ill.

"We take this opportunity to say we bought one of the Reynolds Improved Warehouse Trucks from you over ten years ago, we have given it constant, rough and hard usage during those years, it has cost us but one dollar for repairs, and we would not dispose of it today for the price we paid for it unless we could instantly replace it, because we consider it fully as serviceable as the day we purchased it. We shall never be without one of these trucks in our warehouse. It merits the success it has attained."

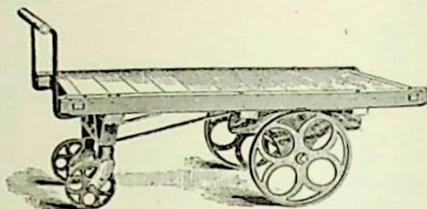


Fig. 40.

THE REYNOLDS IMPROVED TRUCK

For Mill, Factory, and Warehouse.

SIZES OF REYNOLDS IMPROVED TRUCKS KEPT IN STOCK.

Any Size Made to Order.

No.	Cipher.	Size of Platform, in feet.	Size Over all in Feet.	Diameter of Wheels, Inches.	Diameter of Casters, Inches.	Capacity in lbs.	Weight, lbs.	Price, Each.
0	Madam	2 x 3	2 x 3 $\frac{1}{2}$	12	6	1,200	120	\$24 00
1	Madcap	2 x 4	2 x 4 $\frac{1}{2}$	12	6	1,200	135	25 00
3	Madder	2 $\frac{1}{2}$ x 4	2 $\frac{1}{2}$ x 4 $\frac{1}{2}$	12	6	1,200	145	26 10
4	Margo	2 x 5	2 x 5 $\frac{1}{2}$	12	6	1,200	145	26 10
5	Mastiff	3 x 4	3 x 4 $\frac{1}{2}$	12	6	1,200	155	27 00
6	Manna	2 $\frac{1}{2}$ x 5	2 $\frac{1}{2}$ x 5 $\frac{1}{2}$	12	6	1,200	155	27 00
8	Magic	3 x 5	3 x 5 $\frac{1}{2}$	12	6	1,200	162	29 25
9	Major	2 x 4	2 x 4 $\frac{1}{2}$	18	9	3,000	200	30 00
11	Mallett	2 $\frac{1}{2}$ x 4	2 $\frac{1}{2}$ x 4 $\frac{1}{2}$	18	9	3,000	220	31 50
13	Maroon	2 $\frac{1}{2}$ x 4 $\frac{1}{2}$	2 $\frac{1}{2}$ x 4 $\frac{1}{2}$	18	9	3,000	225	32 25
15	Marvel	3 x 4	3 x 4 $\frac{1}{2}$	18	9	3,000	230	33 00
16	Martin	2 $\frac{1}{2}$ x 5	2 $\frac{1}{2}$ x 5 $\frac{1}{2}$	18	9	3,000	230	33 00
18	Morbid	2 x 5	2 x 5 $\frac{1}{2}$	18	9	3,000	220	32 25
19	Morsel	2 x 6	2 x 6 $\frac{1}{2}$	18	9	3,000	220	33 00
20	Mosaic	2 $\frac{1}{2}$ x 6	2 $\frac{1}{2}$ x 6 $\frac{1}{2}$	18	9	3,000	235	34 50
21	Modify	3 x 5	3 x 5 $\frac{1}{2}$	18	9	3,000	240	35 25
22	Monitor	3 x 6	3 x 6 $\frac{1}{2}$	18	9	3,000	250	36 00
23	Martyr	3 x 8	3 x 8 $\frac{1}{2}$	18	9	3,000	275	40 00

FOR VERY HEAVY WORK.

FACE OF WHEELS AND CASTERS.

Trucks numbered 0 to 8 inclusive have casters with 1 $\frac{1}{2}$ inch tread, wheels 2-inch tread.

Trucks numbered 9 to 23 inclusive have casters with 1 $\frac{1}{2}$ -inch tread, wheels 2 $\frac{1}{2}$ -inch tread.

Trucks numbered 9 to 23 inclusive, with extra heavy casters with 2 $\frac{1}{2}$ -inch tread, wheels 3 $\frac{1}{2}$ -inch tread, are \$3 extra per truck advance on above prices.

RUBBER TIRED WHEELS.

Trucks numbered 0 to 8 inclusive, with grooved wheels and casters, with round rubber tires sprung into groove. Price \$8 extra per truck.

Trucks numbered 0 to 8 inclusive, with patent rubber tired wheels and casters. Price \$12 extra per truck. (Wheels shown on page 122.)

Trucks numbered 9 to 23 inclusive, with patent rubber tired wheels and casters. Price \$24 extra per truck. (Wheels shown on page 122.)

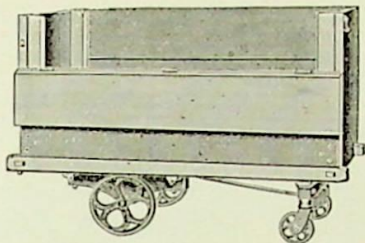


Fig. 53.

REYNOLDS PAPER PULP OR FISH TRUCK.

Box of 1½-inch wood bolted to truck; one side made to let down as shown in cut. Made very strong. Oiled or painted. Made to order, any size.

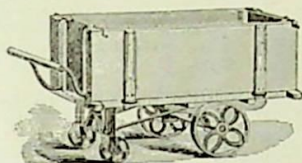


Fig. 54.

REYNOLDS PATENT TRUCK

With Box.

We keep in stock boxes 20 inches high to fit all regular sizes of Reynolds Trucks. Box can be removed in a moment if desired. Capacity of box on No. 16 truck, 16 to 20 bushels. This truck is designed to dump by lifting on handle. Price, \$5.50 advance on list prices on page 38.

REYNOLDS IMPROVED PRINTING HOUSE TRUCK.

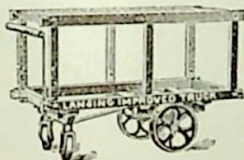


Fig. 58

Used to carry forms and to run them to press-room. Also used by electrotypes.

Price, \$5.00 advance over list prices on page 38.

REYNOLDS IMPROVED TRUCK.

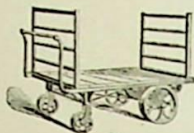


Fig. 56.

With Wood Racks.

Racks 30 inches high and easily removable are kept in stock for all regular sizes of Reynolds Trucks. Racks made for sides if ordered.

Price, \$2 extra per end rack over list prices on page 38.

REYNOLDS IMPROVED TRUCK

With Iron Racks.

Racks 30 inches high and stationary unless otherwise ordered.

Price, \$3 extra per rack over list prices on page 38.

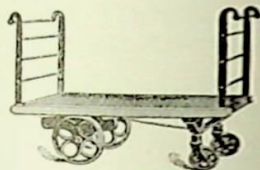


Fig. 133.

REYNOLDS IMPROVED TANNERY AND LEATHER TRUCK.

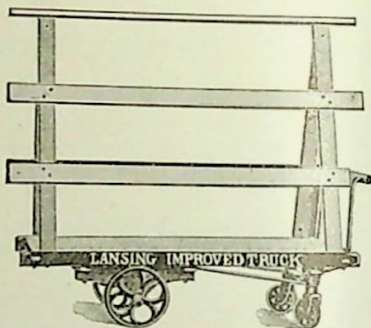


Fig. 57.

We make these horses any height and mount them on any size truck. They will carry a very heavy load. Made with any number of side bars to suit purchaser. This is by far the best tannery truck in the market.

Price, \$6.00 advance over list prices on page 38.

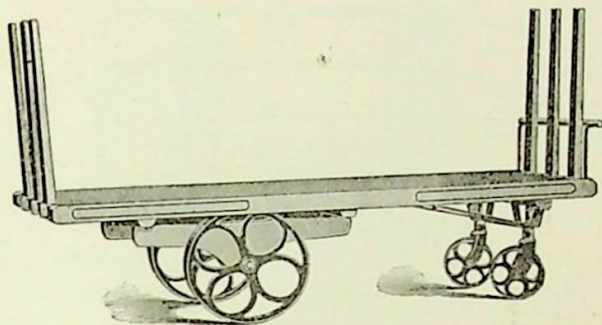


Fig. 81.

REYNOLDS IMPROVED DEPOT TRUCK.

These trucks have all the improvements on the old style trucks that are embodied in the Reynolds Warehouse Trucks. All roads that have adopted them prefer them to the four-wheeled express wagons, as they turn in their own length, are easily guided, carry a large load, and have no tongue that people are in danger of falling over.

No.	Cipher.	Size of Platform, Feet.	Diameter of Wheels, Inches.	Diameter of Casters, Inches.	Weight Each, Lbs.	Price, Each.
33	Goldleaf	2½ x 8	24	12	400	\$48 00
34	Gosling	3 x 8	24	12	500	51 00
35	Granite	3 x 10	24	12	550	57 00
36	Gravel	4 x 10	24	12	600	63 00

With patent rubber tired wheels (see page 122).

25-inch wheels and 12-inch casters, \$50.00 extra per truck.

20-inch wheels and 10-inch casters, \$35.00 extra per truck.

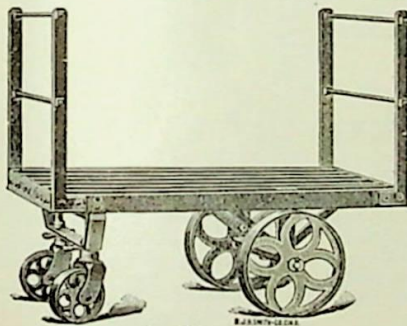


Fig. 101.

REYNOLDS IMPROVED TRUCK

Iron and Steel.

Made entirely of iron and steel for use in dry kilns and elsewhere. Made to order of dimensions to suit purchaser. Usually made with bottom of ½ x 3 steel bars set edgeways and securely riveted to frame.

Price: add one-half to list price for Reynolds Trucks shown on page 38.

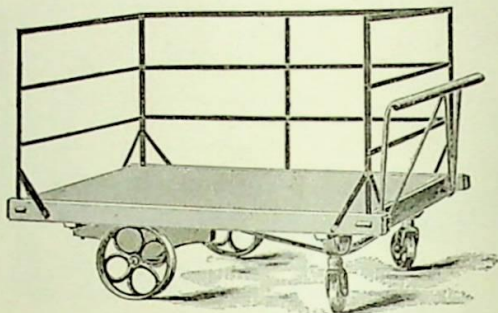


Fig. 64.

BAKERS' CAN TRUCK.

This style of Reynolds Truck is used by bakers for carrying the boxes or cans of fancy crackers, biscuits, etc.

It is in use in the larger bakeries and should be used in all.

The rack is light, made $\frac{1}{2}$ -inch angle iron with $1 \times \frac{1}{2}$ -inch cross-strips. Made any size to suit purchaser.

To obtain price, add to list price of Reynolds Truck (see page 38) \$8.00 for the rack.

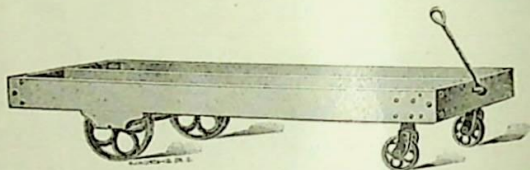


Fig. 87.

GEAR TRUCK.

The carriage manufacturer will at once see the advantage of using this truck. Instead of two men carrying one gear from place to place, one man can with this truck handle twelve or fifteen gears without running any risk whatever of injuring or marring them. All that is required to introduce this system in your factory is to buy a trial truck. We are certain you would never regret it, as the saving made by the truck soon pays for it. The truck is $6\frac{1}{2}$ feet long by $3\frac{1}{2}$ feet wide, built very strong and with 16 inch wheels and 9 inch casters.

Cipher, Flagon.

List price, \$16.

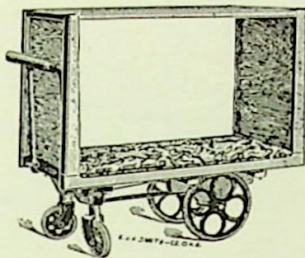


Fig. 95.

REYNOLDS IMPROVED NOISELESS OFFICE TRUCK.

In the last few years a demand has sprung up for a light truck *for use in banks and other large offices*, for carrying books into and out of the vaults. By using this truck a great saving of time and wear of the books is made. At night the books are run into the vault and remain on the truck, and in the morning are distributed to their proper places in the office in a moment, while the top of the truck acts as a table during the day. These trucks are very nicely finished in quartered white or red oak or cherry, have round rubber tired wheels and casters and are carpeted with Brussels carpet.

Diameter of wheels, 12 inches; casters; 6 inches. The front wheels being casters, the truck will turn in its own length, so it can be moved around nicely about counters and angles in offices.

Every bank or large office should have one. The saving of wear and tear of the books will pay for the truck in a short time. Any size made to order. Regular size, length between uprights, 48 inches, width, 22 inches.

Cipher, Bank.

Price each, \$50.00.

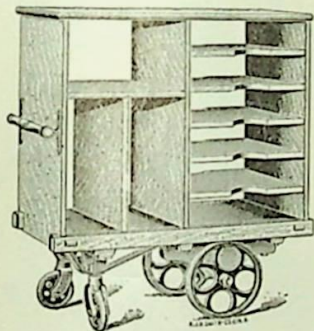


Fig. 94.

SPECIAL OFFICE TRUCK.

The cut here shown is one of the many styles of trucks used in large offices. They are usually built of the proper height so the top can be used during the day as a table and so practically occupy no room, and they cost but little more than the table they displace. Iron work above platform is nickel plated. By running the truck into the vault at night much wear of the books is avoided and time is saved. Write for prices.

Cipher, Bankbill.

"JULIUS FOWL" RECD 6-16-1913

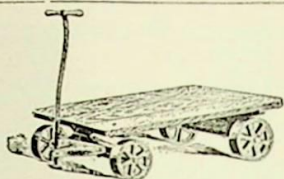


Fig 70.

COMMON PLATFORM TRUCKS.

No.	Cipher.	Fig.	Size of Platform.	Diameter of Wheels, inches.	Weight Each, lbs.	Price Each
80	Gavel	70	2 ft. x 3 ft.	7 $\frac{1}{2}$	90	\$13 00
82	Gaudy	70	2 ft. 4 in. x 3 ft. 4 in.	7 $\frac{1}{2}$	115	14 00
83	Gesture	70	2 ft. 6 in. x 3 ft. 6 in.	7 $\frac{1}{2}$	125	15 00
84	Garter	70	3 ft. x 4 ft.	8 $\frac{1}{2}$	150	17 00



Fig. 125.

RUNWAY.

Made of 1 $\frac{1}{2}$ -inch well seasoned hardwood lumber. Any length made to order ordering give rise desired. Width, 3 feet.

Cipher, Runway. Price, per foot in length, \$1.50.

BARREL SWINGS.

This is a convenience no grocer can afford to be without. It keeps sugar and other stuff under the counter out of the way and free from dust and dirt, and saves covers.

It will swing a barrel of sugar with perfect ease.

Cipher, Swing.

Price, per dozen, \$12.00.

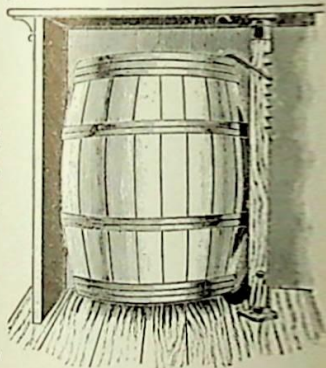


Fig. 310

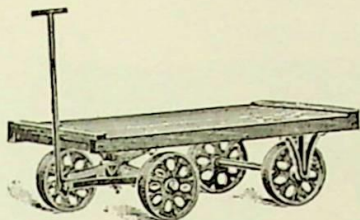


Fig. 71.

GRAIN WAGON TRUCK

For Heavy Warehouse Work.

Made of oak. Extra heavy and substantial. Axles $1\frac{1}{2}$ -inch round iron.

No. 1, Fig. 71; CIPHER, Garnish; diameter wheels, 10 inches; weight, 240 lbs.; price each, \$25.00.

No. 2, Fig. 71; CIPHER, Garret; diameter wheels, 14 inches; weight 280 lbs.; price each; \$27.00.

Both above trucks have platforms 3 x 5 feet.

SHEET METAL TRUCK.

Same as No. 2 Grain Wagon Truck, except platform $2\frac{1}{2}$ x 7 feet. Long enough so that light sheets will not sag at ends. Diameter of wheels, 14 inches; axles $1\frac{1}{2}$ -inch round iron. Turned bearings.

CIPHER, Groan.

Price each, \$36.00.

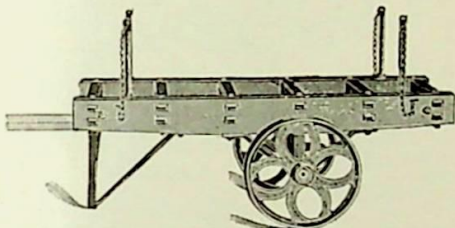


Fig. 77.

BAR IRON TRUCK.

For carrying iron bars or rods. Size of frame 2 x 5 feet. Furnished with 18 inch solid iron wheels, $3\frac{1}{4}$ -inch tread, wide enough so a very heavy load will not cut floors. Truck will stand on 3-foot platform scale. Platform of truck well ironed.

CIPHER, Glutton.

Weight 250 lbs.

Price each, \$50.00.

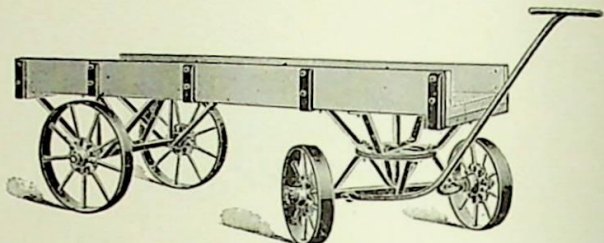


Fig. 168.

CUTLERY WAGON.

Size 1.—Platform and sides of 1½-inch hardwood. Size over all, 8 feet long, 37 inches wide and 27 in. high. It is furnished with 3-inch tread, 24-inch steel rear wheels, 18-inch steel front wheels, with 1½-inch square axles, and a 15-inch fifth wheel. Weight, 650 lbs. Painted vermilion and varnished. Side boards, 5½ inches high, 1½ inches thick. Other sizes made to order.

Cipher, Cutlery.

Price each, \$60.00.

Size 2.—Platform 6 feet long, 37 inches wide, 18 inches from floor. Made of 2-inch hardwood dressed, painted vermilion and varnished. Wheels 14 inches in diameter of gray iron; axles of 1½-inch square steel. Weight about 500 lbs.

Cipher, Conduit.

Price each, \$45.00.

Size 3.—Platform 5 feet long. In other respects same as Size 2. Weight about 460 lbs.

Cipher, Consort.

Price each, \$42.00.

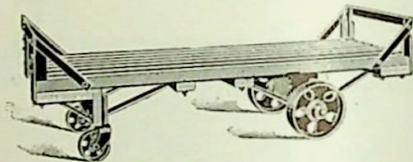


Fig. 171.

ROLLING MILL TRUCK FOR SHEET IRON.

This truck is used for handling sheet metal. Platform 6 ft. 6 in. long, 25 inches wide and 17 inches high. End racks 8 inches high. Platform made of 1½ x 2½-inch hardwood slats. The wheels are 12 inches in diameter, 3-inch face; casters, 6 inch axle 1½-inch square. Weight 500 lbs. Other sizes made to order.

Cipher, Rosemary.

Price each, \$48.00.

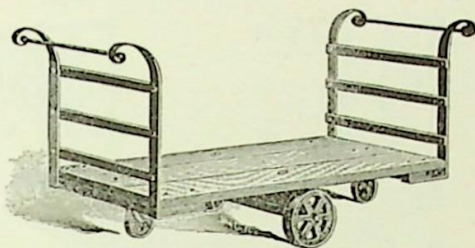


Fig. 72.

COMMON DRY GOODS TRUCK.

Light Pattern.

Common Dry Goods Trucks are firmly bolted together and have forged axles and turned bearings.

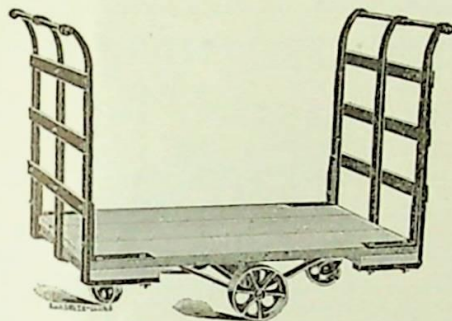


Fig. 73.

COMMON DRY GOODS TRUCK.

Heavy Pattern.

Bottom made of $1\frac{1}{2}$ -inch hard wood dressed.

No.	Cipher If with Iron Wheels.	Platform Inches.	Dia- meter of Wheels Inches.	Diameter of Swivels Inches.	Weight lbs.	Price with Rub- bered Wheels.	Price with Iron Wheels.
72	Garland	28 x 42	7 $\frac{1}{2}$	4	185	\$28 00	\$20 00
73	Grumble.	28 x 42	7 $\frac{1}{2}$	4	200	30 00	22 00

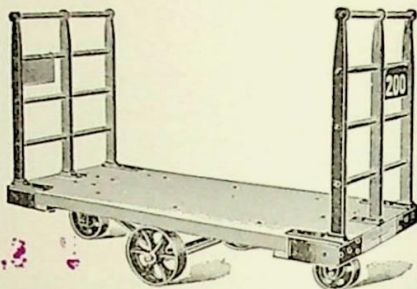


Fig. 92.

ST. LOUIS DRY GOODS TRUCK.

End racks are very strong and held in position by malleable iron castings. Bottom made of 2-inch hardwood dressed. Size 24 x 54 inches. Wheels 8½ inches diameter. Stationary 5-inch wheels on ends (or swivels if preferred). Weight each, 200 lbs. Height of racks, 30 inches.

With rubbered wheels; Cipher, Rice; price each, ...\$32.00.

With iron wheels; Cipher, Stix; " " 24.00.

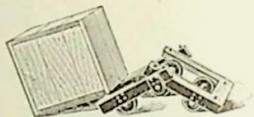


Fig. 178.

FOLDING BOX TRUCK.

(Pat. Applied For.)

This truck cannot run away when box is being loaded. It is easy to carry from place to place. The wheels are locked when truck is being loaded and automatically release themselves when box is on the truck. Frame made of 1½ x 2-inch angle iron.

Weight each 35 lbs.

Cipher, Gammon.

Price each, \$6.00.



Fig. 111.

IRON BOX TRUCK.

Frame made of angle iron. Size 20 x 24 inches. Diameter of Wheels, 4 inches.

Weight about 35 lbs.

Cipher, Frost.

Price each, \$5.00.



Fig. 75.

BOX TRUCK.

Low trucks, strong and well made, for handling large boxes or bales. Sharp cone head bolts to prevent package from slipping. Axles turned and wheels bored.

Cipher.	No.	Size.	Size of Wheel.	Size of Frame.	Weight lbs.	Price, Each.
Gabble	1	18 x 18 in.	3½ in.	3 x 3 in.	25	\$3 50
Gallant	2	16 x 24 in.	3½ in.	3 x 3 in.	25	4 00
Garrison	3	16 x 24 in.	4½ in.	4 x 4 in.	35	5 50

U. S. Patent Office.

Above can be furnished with rubbered wheels at an additional list price of \$3.50.



Fig. 164.

JUN 16 1913

Trade-Marks and Designs.

SIX WHEELED BOX TRUCK.

Cipher.	No.	Size.	Diameter of Wheel.	Size of Frame.	Weight lbs.	Price, Each.
Gull	12	16 x 24 in.	3½ in.	3 x 3 in.	26	\$6 00
Guillotine	14	22 x 36 in.	4½ in.	2½ x 4 in.	70	10 00

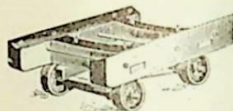


Fig. 79.

TOBACCO BOX TRUCK.

For moving heavy barrels or hogheads. Top ironed. Same size as No. 3 Box Truck mentioned above.

Weight each, 45 lbs.

Cipher, Gypsy.

Price each, \$7.00.



Fig. 78.

TILTING BOX TRUCK.

Same size as No. 3 Box Truck, with center wheels lowered so truck rocks on them and turns easily. For moving heavy boxes. Weight each, 35 lbs.

Cipher, Groom; with iron wheels.

Price each, \$5.50.

Cipher, Guide; with patent rubbered wheels.

Price each, 9.00.

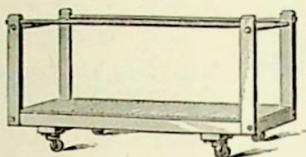


Fig 167.

BUCK'S TRUCK.

Used by wholesale grocers and commission men to show dried fruit, coffee or seeds such as beans, peas, and different kinds of grass seeds and grains, and made large enough to hold eight or ten bags standing on end. The bag is filled about half full, rolled back so that contents will come a little above the gas pipe railing, then top is sprinkled and sweep or scrub the floor, while if the bags were on the floor these things could not be done without first carrying them out of the room. Mice will not work in the bags on a truck as they will when the bags are on the floor. Any size made to order. Regular size 2 x 4 ft; 1-in. gas pipe railing; mounted on No. 190 anti-friction casters, having 3½-in. wheels.

Cipher, Buck's.

Price, each, \$9.00.

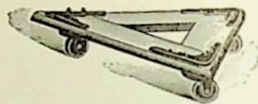


Fig. 123.

TRIANGULAR BOX TRUCK.

This truck is strongly made, and adapted for moving barrels, cases, tubs, etc., and runs extremely easy owing to the mounting, which consists of three anti-friction casters. This enables it to turn easily under a heavy load. Length of sides, 20 inches.

Cipher, Galaxy.

Price, each, \$2.50.

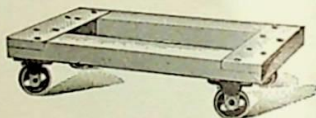


Fig. 126.

MARTIN DAWSON TRUCK.

Frame made of 2 x 4 hard wood, supported at corners by patent anti-friction casters with 3-inch wheels. Size of frame 16 x 27 inches. Any size to order.

Cipher, Gamboge.

Price, each, \$5.50.

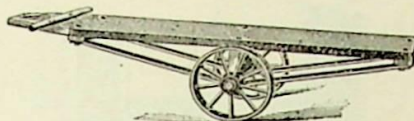


Fig. 96.

STONE TRUCK.

The best truck for handling heavy stone, as stone can be rolled on the lower end without lifting. In use by most of the prominent stone dealers. Diameter of wheels, 18 inches; tread, $2\frac{1}{2}$ inches; width of truck, 18 inches; length, 9 feet.

Cipher, Gush.

Price, each, \$22.00.



Fig. 97.

BUILDERS' TRUCK.

Designed for handling heavy timbers, iron girders, etc. Owing to the large diameter of wheels (18 inches) the load is easily moved. Wheels are made wide tread, $3\frac{1}{4}$ inches, to avoid cutting the ground. Height, 22 inches. Platform 2 x 3 feet. Weight, each, 190 lbs.

Cipher, Growl.

Price, each, \$12.00.



Fig. 98.

TIMBER DOLLIES.

For moving heavy timbers. A very useful article in sawmills, or wherever heavy sticks are handled. Made of oak or hickory, with roller of cast iron. Wrought axle passes entirely through roller. The truck forms a roller when bottom side up.

No.	Cipher.	Fig.	Frame.	Roller.	Weight lbs.	Price Each.
1	Guzzle	98	16 x 19 in.	6 x 10 in.	70	\$7 50
2	Gullett	98	19 $\frac{1}{2}$ x 26 in.	6 x 12 in.	80	10 00
3	Gelatine		18 x 24 in.	3 x 12 in.	45	5 00

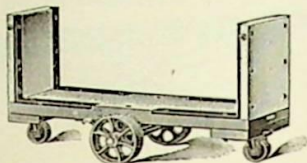


Fig. 99.

HEAVY PAPER TRUCK.

A very strong truck, heavily ironed. Platform and ends of 1½-inch hard 2 x 4 feet. Ends 18 inches high. Diameter of center wheels 12 inches, with end wheels in stands or casters. Made to order of size to suit purchaser.

Cipher, Gratitude.

Price, each, \$25.00.

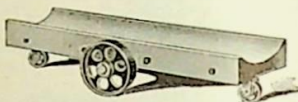


Fig. 107.

ROLL PAPER TRUCK.

For handling the heavy rolls of paper used by newspaper publishers. These weigh several hundred pounds, and the truck is strong enough so that the rolls can be thrown onto it without breaking it. Size, 40 in. long by 14 in. wide. Center wheel 9½ in. diameter, 3 in. face. Bottom made of 4-in. hardwood plank, hollowed to 3 in. in center, having a flat piece of iron 6 in. wide and ½-in. thick under each end, which a very heavy wheel in stationary stand is bolted, giving the truck a slight curve. Weight 119 lbs.

Cipher, Gratitude.

Price, each, \$15.00.



Fig. 108.

WORSTED TRUCK.

Made to order to suit customer. Price depends on size and quantity.

Cipher, Worsted.

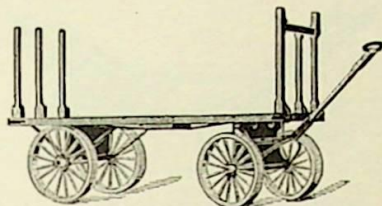


Fig. 80.

RAILROAD AND EXPRESS WAGON.

Size 1.—These are the Standard Express Trucks, same as used by the American Express Co. They are heavily ironed and well made from steel and iron and selected hardwood. With 20-inch fifth wheel. Front wheels 28 inches in diameter. Rear wheels 31 inches in diameter. Platform 35 inches high, 40 inches wide and 10 feet long. Nicely painted red and green and varnished. Furnished with American pattern wood wheels, steel wheels, or Sarven patent wheels as desired. (See page 126.)

Code, Gender; with American pattern wood wheel, weight 650 lbs. Price each, \$100.00.

Code, General; with steel wheels, weight 700 lbs. " " 105.00.

Code, Genius; with Sarven wheels, weight 650 lbs. " " 110.00.

Size 2.—This wagon is designed to meet the want of a smaller size than No. 1. Just the truck for small passenger stations. Well painted and varnished. With 20-inch wrought spoke wheels. Platform $2\frac{1}{2} \times 7$ feet. All bearings turned. Weight about 450 lbs.

Code, Gizzard.

Price each, \$60.00.

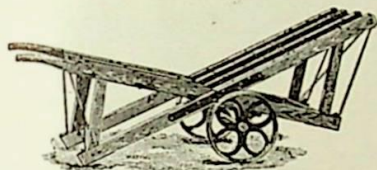


Fig. 82.

BAGGAGE BARROW.

These barrows are made of choice hickory or oak, are heavily braced and warranted equal in quality to any similar barrows made.

Wheels are solid gray iron bored for axles and axles are turned.

No.	Code.	Size, Feet.	Diameter of Wheels, Inches.	Tread of Wheels, Inches.	Weight lbs.	Price, Each.
1	Glowing.....	2 x 7	18	2 $\frac{1}{2}$	215	\$35 00
2	Glassy.....	2 $\frac{1}{2}$ x 8 $\frac{1}{2}$	20	2 $\frac{1}{2}$	280	40 00
3	Gallows.....	2 $\frac{1}{2}$ x 10	20	2 $\frac{1}{2}$	340	45 00

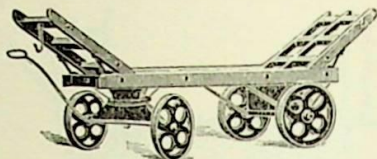


Fig. 83.

OPEN BOTTOM BAGGAGE WAGON.

No.	Cipher.	Fig.	Size, Feet.	Diameter of Wheels, Inches.	Length of Dash, Inches.	Weight lbs.	Price Each.
1	Gaslight	83	2 x 7	18	28	400	\$50 00
2	Gateway	83	2½ x 10	18	35	550	60 00
3	Gathering	83	2½ x 12	18	44	650	70 00

Turned bearings; wheels bored. Made of selected material. Very heavy, strong wagons, built to last.

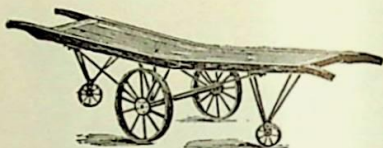


Fig. 84.

CURVED PATTERN BAGGAGE BARROW.

No.	Cipher.	Fig.	Size, Feet.	Diameter of Wheels, Inches.	Weight lbs.	Price, Each.
1	Gawky	84	2 x 7	20	270	\$35 00
2	Gazette	84	2½ x 10	20	300	42 00
4	Grammar	84	2 5-6 x 9½	30	370	60 00

Turned bearings; wheels bored. A convenient barrow. No better barrow of this kind is made.

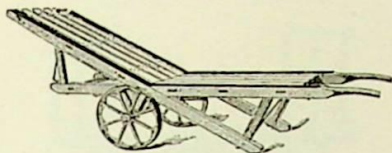


Fig. 166.

FOWL'S BAGGAGE BARROW.

A strong, well made baggage barrow. Diameter of wheels, 22 inches. Length over all, 10 feet 4 inches. Length of upright or front, 57 inches. Extreme height of front from ground, 47½ inches. Weight, each, 325 lbs.

Cipher, Fowl.

Price, each, \$45.00.

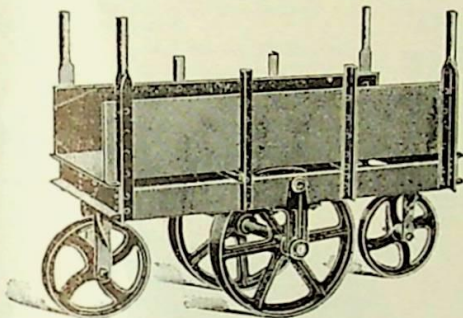


Fig. 165.

FORGE SHOP TRUCK.

Size, over all, 52 x 25½ x 41 inches high. Center wheels 21 inches diameter, 3½ inches face; end wheels 14 inches diameter, 2 inches face; axles 1½ in. round. Corner stakes 1½ x 1½ x ½ angle iron 22 inches high. Center stakes 1½ x 1½ x ½ angle iron 19 inches high. Height of platform from floor, 19 inches. Frame of 4-inch channel iron. Bottom and sides of one piece ½-inch steel plate. Sides 10 inches high. Weight 420 lbs. each.

Cipher, Forge.

Price, each, \$90.00.

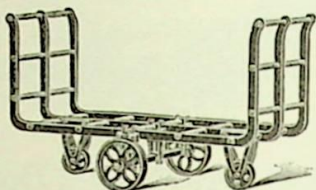


Fig. 93.

WIRE NAIL BUGGY.

A special truck made entirely of iron of size to suit purchaser. Give size and estimated weight to be carried and quantity wanted and price will be quoted.

Cipher, Fervent.

TRUNK CARRIER.

For carrying trunks upstairs.
Used mostly in hotels, colleges, etc. Carrier can be used as a truck when desired, as 4-inch patent rubber-tired wheels are used.

Cipher, Trunk.

Price each, \$12.00.

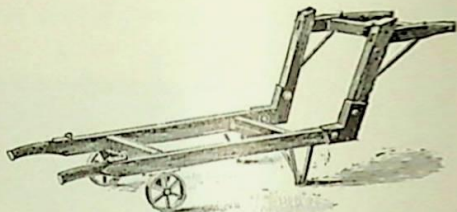


Fig. 91.

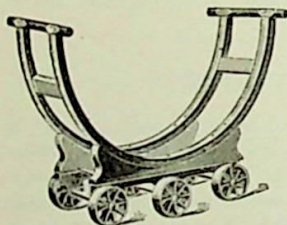


Fig. 106.

SPOKE OR WALL PAPER TRUCK.

This truck is designed for carrying spokes or other round or square pieces of wood, also for wall paper. It is easily handled, having six wheels, the center ones being 7 inches in diameter, the others 6 inches. The center wheels being somewhat larger than the end wheels, the truck can be tilted and easily turned. Furnished with 1-inch round axles with turned bearings. Length between han-

dles, 48 inches; width, 16 inches; weight about 100 lbs.

Cipher, Bassoon.

Price each, \$15.00.

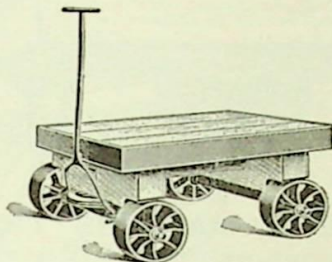


Fig. 60.

HEAVY FOUNDRY WAGON.

These trucks are designed for *heaviest work about foundries and machine shops*, or where a very strong platform truck is required. Too heavy for ordinary work. The truck is furnished with fifth wheel large enough to avoid upsetting. It will be noticed by the above cut that the platform is made of 3-inch. hardwood planks. The entire edge of platform is bound with iron, making a platform of great strength and durability. Axles 2 inches square.

Size 11.—30 x 40 inches; 10½-inch wheels; 4-inch face.

Code, Glad.

List price, \$36.00

Size 12.—36 x 60 inches; 10½-inch wheels; 4 inch face.

Code, Glance.

List price, \$48.00.

Any size made to order.

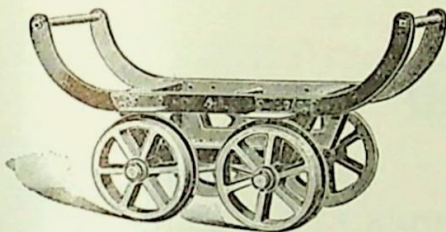


Fig. 174.

BILLET CAR.

These cars are made any size to suit purchaser and to run on any gauge track. They are furnished with roller bearing, chilled car wheels 18-in. in diameter, flange extra, the hub being 5-in. in length. The frame work holding the side rails is of 3 x 3-in. angle iron, side rails of 1 x 3-in. iron. They are made for heavy work and are very strongly bolted together. We mount these cars on truck running gear instead of car wheels when desired. Weight 700 lbs.

Cipher, Billet.

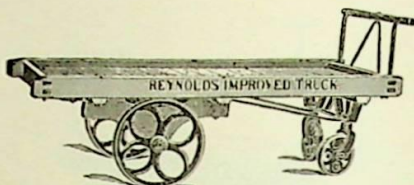


Fig. 59.

REYNOLDS PACKERS' TRUCK.

Made same as Reynolds Improved Truck except with edges of frame beveled and raised two inches above platform to prevent meat from slipping off.

Price same as Reynolds Improved Truck, see list on page 38.

PORK BARREL TRUCK.

An extremely useful truck for handling heavy barrels. Heavy, strong and well made. Diameter of wheels $9\frac{1}{2}$ inches. Weight each, 60 lbs.

Cipher, Heathen.

Price, each, \$11.00

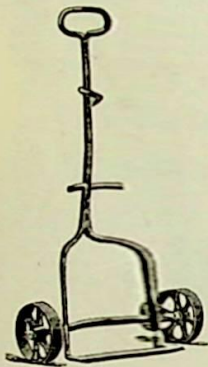


Fig. 142.

ST. LOUIS KEG TRUCK.

A very convenient truck for light work. Board is made of 1 inch hard wood selected.

Cipher, Fireman.

Price, each. \$2.50



Fig. 68.

The Packer's Trucks shown on this and following pages are made of best selected material. After a long experience in the manufacture of these goods for many of the largest packers in the country, we have found the sizes and shapes shown below to give the most universal satisfaction.

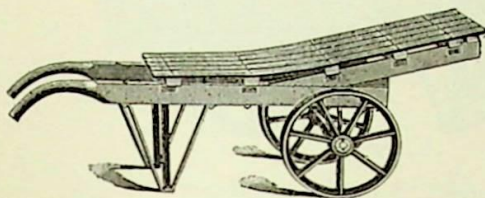


Fig. 104.

WESTERN PACKING TRUCK.

Very strongly made with 2 x 4-inch handles. Top very tough 1 x 5-inch boards, 5 in number, with about two inch space between each piece. Platform 4 feet 8 inches long; 2 feet 5 inches wide. Truck 6 feet 8 inches long over all. Heavy 20-inch wheels. Turned bearings. Weight 215 lbs.

Cipher, Booby.

Price each, \$24.00.

HAM AND BACON TRUCK.

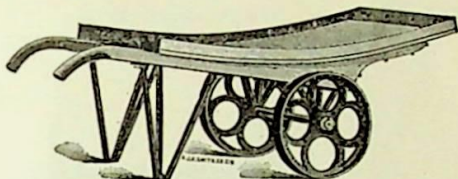


Fig. 61.

No. 11.—Size over all, 80 inches. Size platform, 35 x 62 inches. Size wheels, diameter 20 inches, face, 2½ inches. Handles, bent. Weight, about 210 lbs. Axles, turned. Wheels, bored and faced.

Cipher, Bonus.

Price, each, \$20.00.

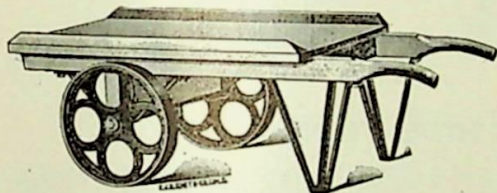


Fig. 103.

HOG TRUCK.

No. 12.—Fig. 103. Platform, 32 x 52 inches. Height from floor, 22 inches. Diameter wheels, 18 inches, tread, 2½ inches. Turned bearings. Strong, well made trucks.

Cipher, Bonfire.

Price each, \$18.00.

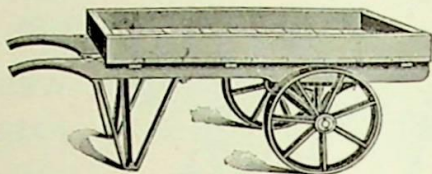


Fig. 127.

HOOK TRUCK.

Platform 32 x 52 inches, with a stationary 2-inch box 4 inches high around top of platform. Diameter wheels, 18 inches. Tread $2\frac{1}{2}$ inches. Turned bearings. Weight about 225 lbs.

Cipher, Hooker.

Price, each, \$20.00.

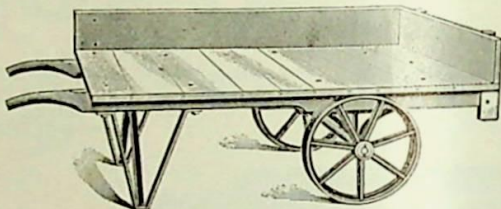


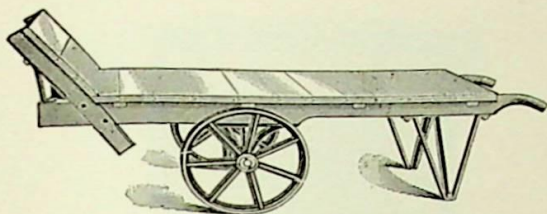
Fig. 128.

HIDE TRUCK.

Platform 3 ft. 6 in. x 5 ft. 6 in., with a $1\frac{1}{4}$ in. hardwood plank 8 inches high on one side and front end. Diameter wheels, 18 inches. Tread, $2\frac{1}{2}$ inches. Turned bearings. Weight about 260 lbs.

Cipher, Hideous.

Price, each, \$24.00.

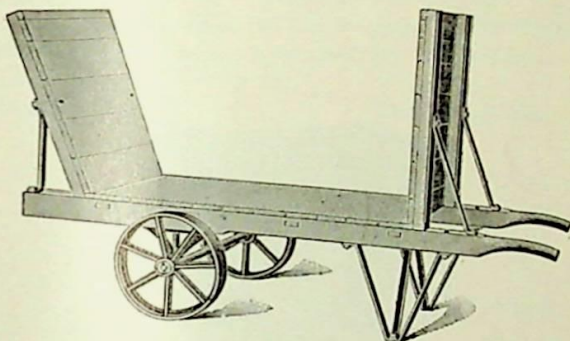
*Fig. 129.*

GREEN MEAT TRUCK.

Length of handles 7 feet. Dash 16 inches high. Bottom 5 ft. 7 in. by 2 ft. 3 in, boarded with 1 inch oak. Diameter wheels, 18 inches. Tread, $2\frac{1}{4}$ inches. Turned bearings. Weight about 225 lbs.

Cipher, Hecatomb.

Price, each, \$24.00

*Fig. 134.*

GAMBREL TRUCK.

Bottom 5 feet long between uprights, which are about 3 feet high. Width 2 feet. Uprights are strongly braced by $\frac{3}{4}$ -inch round iron. Truck is made so the load of gambrels is balanced when load is lifted. Diameter wheels 20 inches. Turned bearings. Weight about 275 lbs.

Cipher, Gambrel.

Price, each, \$30.00

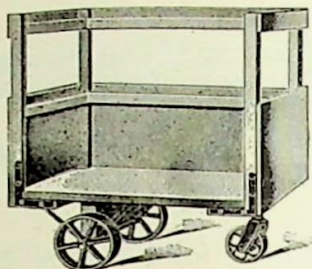


Fig. 135.

STRING SAUSAGE TRUCK.

Platform $3\frac{1}{4}$ x 4 feet. Height of rack, 30 inches. Wheels, 12 inches in diameter; casters, 9 inches in diameter.

Cipher, String.

Price each, \$30.00.

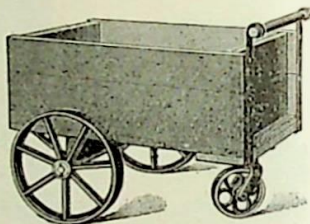


Fig. 136.

DUTCH TRUCK.

A small, heavy truck made of $1\frac{1}{4}$ -inch hardwood, with box 26 x 36 inches inside, and 15 inches deep; with heavy 20-inch wheels, and 9-inch heavy swivel on one end.

Cipher, Dutch.

Price each, \$18.00.

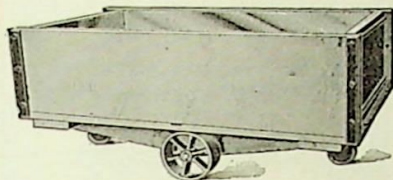


Fig. 137.

SEEDER TRUCK.

Box made of $1\frac{1}{2}$ inch common pine dressed and matched. Size, inside measurement, 3 ft. $3\frac{1}{4}$ in. wide, 5 ft. $5\frac{1}{2}$ in. long, 19 $\frac{1}{4}$ in. high. Ends are dadoed into sides, and sides are held together by $\frac{1}{2}$ -in. rods passing through $\frac{3}{8}$ x 2-inch iron straps at the end of the sides. Axles are $1\frac{1}{2}$ -inch square, and are supported by $1\frac{3}{4}$ -inch hardwood planks bound on underside by iron. Heavy 12-inch wheels and a 6-inch heavy wheel in stationary stand at the ends. A box of galvanized iron is set into the wooden box, to which it is not attached, but can be easily lifted out and cleaned when desired. The wooden box is designed only to protect the inner galvanized box. Weight about 500 lbs.

Cipher, Seeder.

Price, each, \$60.00

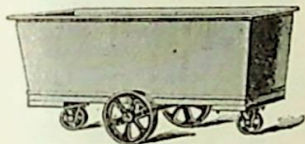


Fig. 138.

MEAT TRUCK WITH GALVANIZED BOX.

These tank trucks can be made any size to suit purchaser. They are not carried in stock but made to order. In asking for price name size and quantity wanted.

Cipher, Holiday.

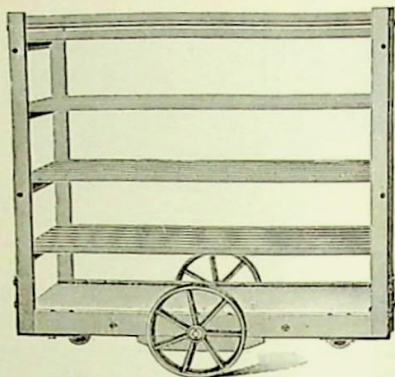


Fig. 140.

LEAF LARD TRUCK.

The above cut shows one style of truck with removable bottom and loose slats set into grooves in ends. The same style of decks can be placed on the running gear of Reynolds Improved Truck, which we consider preferable. Prices on application.

Cipher, Hominy.

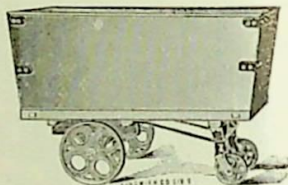


Fig. 55.

REYNOLDS SAUSAGE OR MIXING TRUCK.

This is a Reynolds Truck with special box for carrying sausage or scraps of meat in packing houses. Made any size to suit customers. Box 18 inches deep, made of 1½-inch linn or basswood; flare of box at top, 6 inches. Price same as Reynolds trucks, page 38; with box, \$5.50 each (list price) extra. Cipher, Medley.

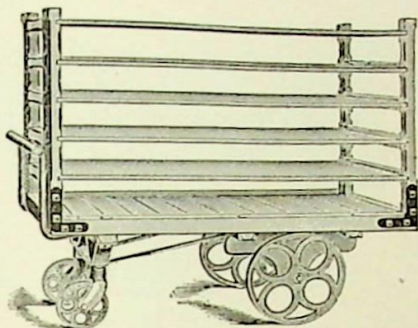


Fig. 52.

REYNOLDS MEAT TRUCK.

A variety of the Reynolds Truck used in packing houses and butcher shops for keeping meat in shape in handling. The truck with load can often be run into the refrigerator and meat left on truck while it is cooling.

Decks are made very strong of one inch hard wood, either stationary or adjustable to suit purchaser. Same sizes as Reynolds Trucks listed page 38. To obtain list price add to price of Reynolds Truck \$1.80 for each shelf.

Furnished with galvanized iron racks at an additional price when desired.
Cipher, Mayor.

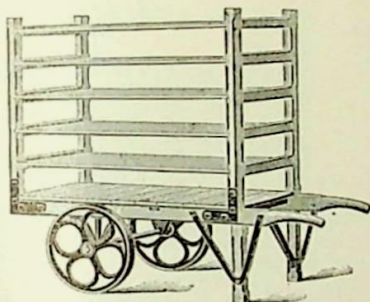


Fig. 141.

LOIN TRUCK.

This is an old style truck which is rapidly becoming obsolete, although we still have a certain demand for it. It is being succeeded by the Reynolds Meat Truck shown above, which takes the load off the hands. Made any size to order. Platform 32 x 52 inches; 72 inches long over all; wheels 18 inches diameter.

Cipher, Homesick.

Price, each, \$36.00.

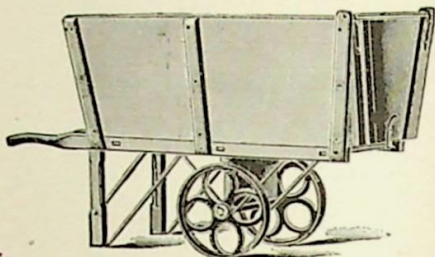


Fig. 145.

HOG TRUCK, WITH BOX.

This truck is useful not only in packing houses but for carrying shavings and cuttings in factories and various other places. It is readily dumped by lifting handles. Bottom of box 32 x 52 inches. Diameter of wheels 18 inches. Box 1-inch hardwood dressed. Depth of box 20 inches.

Cipher, Hector.

Price each, \$24.00.

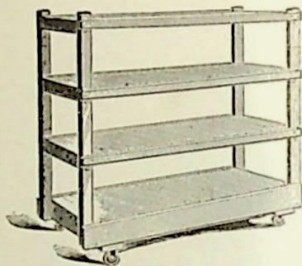


Fig. 146.

PLUMBERS' TANK TRUCK.

A light truck for carrying light material or for use in paint or varnish rooms. Material when painted can be piled on truck and left there to dry. Mounted on anti-friction casters. Made of any size to order. Price depends on size and quantity.

Cipher, Plumber.

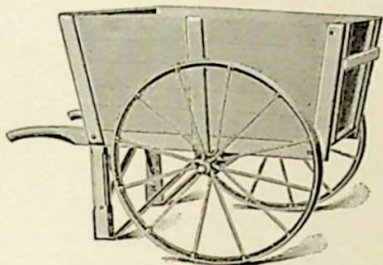


Fig. 143.

FAT CART.

Large numbers of these carts are used by meat packers for handling scraps. They are so nicely balanced that they are easily dumped by lifting the handles. The end board opposite handle end is designed to lift out, or can be made to swing on hinges at top if desired. The carts are made of hard wood throughout, furnished with heavy iron wheels 37 inches diameter and 2-inch tread, wheels weighing about 60 lbs. each. Box is made of 1-inch hard wood matched and glued. Box is 24 inches high, 24 inches wide on bottom, 30 inches wide on top, 40 inches long on bottom, 46 inches long on top; length of cart over all, 62 inches. Axles are $1\frac{1}{4}$ inches square with turned bearings. Weight, each, 300 lbs.

Cipher, Barber.

Price, each, \$32.00.

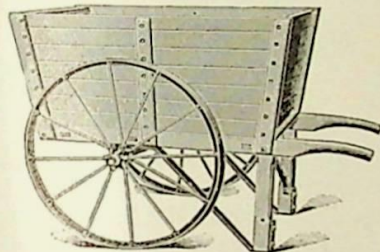


Fig. 144.

TALLOW CART.

Same as Fat Cart shown above except sides and bottom are made of 3-inch strips placed $\frac{1}{4}$ inch apart, each piece bolted to corner and middle blocks.

Cipher, Tallow.

Price, each, \$34.00.

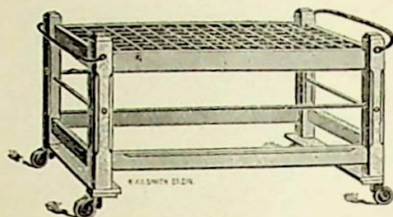


Fig. 102.

BOTTLE DRAINING TRUCK.

The strongest and best truck for draining bottles manufactured. Length of rack, 43 inches; width, 29 inches; height of slats from floor, 26 inches. Made with heavy casters on ends of posts. Heavy framework of well-seasoned hardwood.

Cipher, Frolic. Weight each, 115 lbs. Price each, \$30.00.

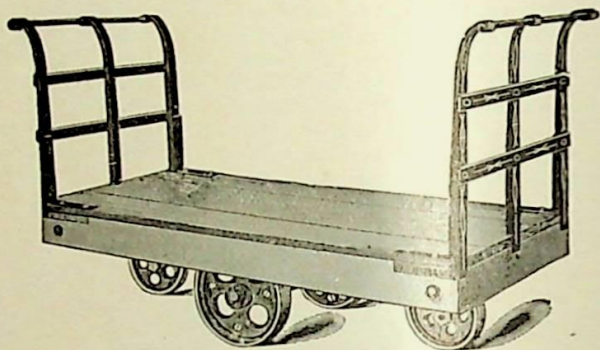


Fig. 89.

POSTOFFICE TRUCK.

Designed for Carrying Mail Bags in Postoffices.

A very heavy truck with 12-inch wheels at sides, and 9-inch wheels in stationary casters at ends. Platform, 2½ x 5½ feet. Iron racks very heavy and strongly braced, 27 inches high.

Description.	Cipher.	Price Each.
With iron wheels.....	Greeedy.....	\$50 00
With patent rubbered wheels.....	Gravy.....	80 00

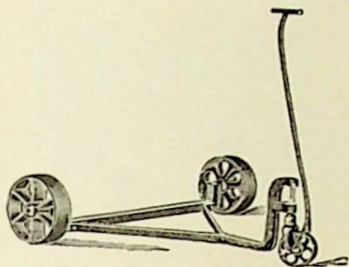


Fig. 47.

CASK TRUCK.

Turned Bearings.

This truck is designed for handling heavy casks, barrels and tubs when necessary to carry in an upright position. Made strong and of iron throughout. Frame work and axle of No. 1 is welded into one piece of iron.

No.	Cipher.	Wheels,	Caster. Dia.	Axle, Square- Iron.	Width Between Axles.	Weight, each.	Price, each.
1	Treat	10½ x 3 in.	6 in.	1½ in.	34 in.	125 lbs.	\$10 00
2	Tramp	7½ x 2 in.	4 in.	1½ in.	21 in.	50 lbs.	11 00

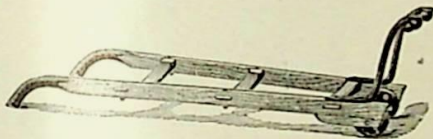


Fig. 48.

STOVE CARRIER.

Every dealer in stoves should have one of these carriers. They are light, yet strong. Can be used as a truck and are the most convenient thing for the purpose made
 Cipher, Thirst.
 Price each, \$8.00.

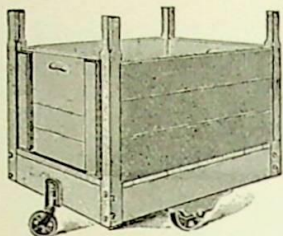


Fig. 368.

HARDWARE TRUCK.

Almost every hardware or dry goods house can use one or more of these trucks to advantage. They are a necessity in most stores, and are also used largely by printers, binders, etc. The end gates are removable. We carry them in stock, size 36 x 24 x 21 inches deep; mounted on 1-inch axle, with 6 inch main wheels and 4-inch swivels at ends.

Cipher, Holly.

Price, each, \$8.00.

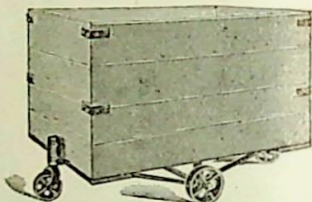


Fig. 169.

FREDERICKS' TRUCK.

The above trucks are made to order of size to suit customers. Usually furnished with 6-inch wheels and 4-inch end casters. Let us know the size you desire and quantity wanted, and close price will be made.

Cipher, Frederick.

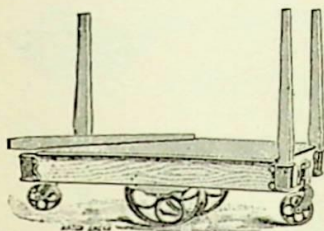


Fig. 85.

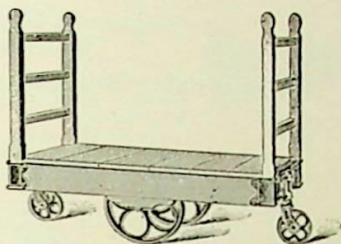


Fig. 170.

FURNITURE TRUCK.

Made of hard wood for heavy work in wood working plants. Sides of 2-inch hard-wood dressed. Stakes of rock elm, oak or hickory. Platform of 1-inch maple or oak dressed. Turned bearings. Truck furnished with either adjustable or stationary end racks (Fig. 170) when desired.

Cipher.	Width of Truck.	Length Between Stakes.	Diameter of Wheels.	Diameter of Casters.	Weight lbs.	Price with stakes Per Doz.	Price with end racks, Per Doz.	Iron Work only, Per Doz.
No. 1, Gangway	2 ft.	4 ft.	12 in.	7 in.	140	\$130 00	\$166 00	\$84 00
" 2, Gainsay	2 ft.	4 ft.	16 in.	7 in.	170	144 00	180 00	96 00
" 3, Gallery	3 ft.	5 ft.	12 in.	7 in.	195	154 00	190 00	90 00
" 4, Gallop	3 ft.	5 ft.	16 in.	7 in.	215	168 00	204 00	100 00

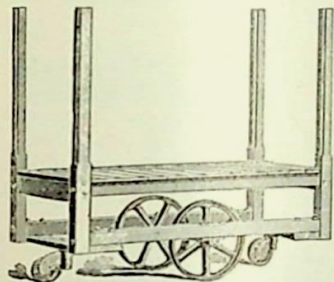


Fig. 86.

COMMON
FACTORY TRUCK.

Designed for Light Trucking
About Wood Working
Factories.

The following sizes are kept in stock.

No.	Cipher.	Dimensions of Truck.	Diameter of Wheels.	Diameter of Casters.	Price Per Dozen.	Iron Work Only, Per Dozen.
1	Grandson	14 x 3 ft.	8 in.	4 in.	\$100 00	\$72 00
2	Granger	2 x 4 ft.	12 in.	4 in.	120 00	84 00

HODS.

Western Pattern.

Box made of soft wood, kiln dried, and painted. Sides rabbeted. End piece grooved into sides, and all joints put together in white lead, making it water tight. Handle is riveted to a forked iron standard which holds the box. Box painted.

	Measure Inside, Inches.	Price per Doz.	Cipher.
Mortar Hods	22 x 10	\$18 00	Carpenter
Brick Hods	20½ x 7½	15 00	Cartoon

Western Pattern—Fig. 120.

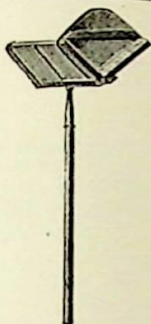


Fig. 121—Philadelphia Pattern.

Boston Pattern.

Made with handles inserted into a wrought iron ferrule which is securely welded to the iron support holding box.

	Measure Inside.	Price per Doz.	Cipher.
Mortar Hods	22 x 10½ in.	\$30 00	Cassia
Brick Hods	24 x 6 in.	25 00	Cashmere

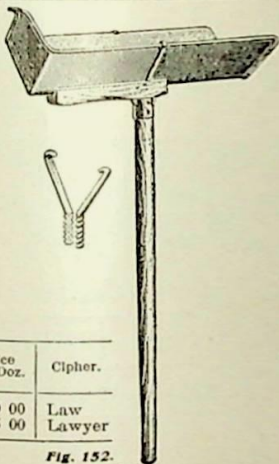
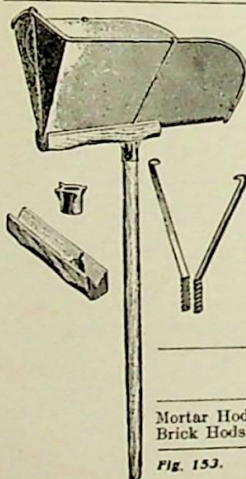
Philadelphia Pattern.

Made from same material as Western Hods. The handle is inserted into a ferrule like a fork handle. Ends are bound with raw hide, making a light but very strong hod.

	Measure Inside.	Price per Doz.	Cipher.
Mortar Hods	20 x 10 in.	\$30 00	Convict
Brick Hods	19 x 8 in.	25 00	Coolie

PATENT
STEEL
HODS.

These hods never leak and never break. Are light, strong and durable. Handles adjustable to suit carrier. 20 lbs. less weight, 2,000 lbs. a day saved. Are put up in the knock-down for shipping. One dozen in less bulk than a flour barrel.



	Measure Inside, Inches.	Price per Doz.	Cipher.
Mortar Hods	13½ x 25	\$30 00	Law
Brick Hods	7½ x 24	25 00	Lawyer

Fig. 153.

Fig. 152.

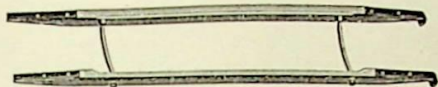


Fig. 15.

SKIDS.

Made of selected oak; rock elm or hickory. Ends heavily ironed. Oiled and varnished.

No.	Cipher.	Length and Kind.	Dimensions of Side Rails, Inches.	No. of Cross-Bars.	Weight in lbs. Each.
1	Cabbage	6 ft. Light	1½ x 2½	2	20
2	Cable	6 ft. Heavy	1½ x 3	2	34
3	Caboose	7 ft. Light	1½ x 2½	2	24
4	Calico	7 ft. Heavy	1½ x 3½	2	38
5	Caldron	8 ft. Light	1½ x 2½	3	30
6	Capable	8 ft. Heavy	1½ x 3½	3	40
7	Captive	9 ft. Heavy	1½ x 3½	3	45
8	Career	10 ft. Heavy	1½ x 3½	3	50
9	Carnage	12 ft. Heavy	1½ x 4	4	65

Any size under six feet, same price as six feet.

Light Skids, 80c per foot.

Heavy Skids, \$1.00 per foot.

THE STANDARD BARREL TRUCK.

The old method required the combined effort of two or three men, to get a barrel of liquid weighing a few hundred pounds upon a truck or skid, while with the Standard Truck a boy of ordinary strength will easily load a package weighing one fourth of a ton—a slight tip of the truck will elevate the barrel so that a faucet may be put in without the loss of a drop of the contents, after which a slight roll by means of the upper wheels will put the faucet in proper position for drawing, the same lad may now wheel it to its proper place without assistance. After the barrel shall be nearly drained it can easily be tipped forward so as to entirely empty the barrel and no strength is required to accomplish the object.

The cuts on this and next page show the manner of using the Standard Barrel Trucks.



Fig. 19.



Fig. 19.

The Standard Barrel Truck No. 1.

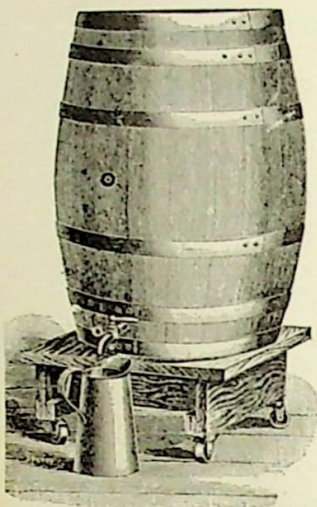


Fig. 20.

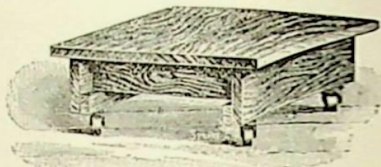


Fig. 20.

STANDARD BARREL TRUCKS.

Nos. 3 and 5.

Trucks Nos. 3 and 5 are, by their peculiar construction, particularly adapted to the use of carpet dealers, tinsmiths, or any of the lighter trades. Heavy rolls of carpeting and rolls of metal may be easily loaded upon this truck and easily transported to any position desirable, thus avoiding all heavy strain.

On the Standard Trucks we use only
Patent Anti-Friction Casters.

This caster revolves upon a series of steel rollers or disks, placed in an annular chamber, and carries the weight outside the center of the main wheel. This gives an even bearing upon the circle of disks, and relieves all friction upon the pivot or strain upon the fastening screws. The parts are riveted together firmly, and free access is given to the screws through an opening in the plate, without the inconvenience of taking apart.

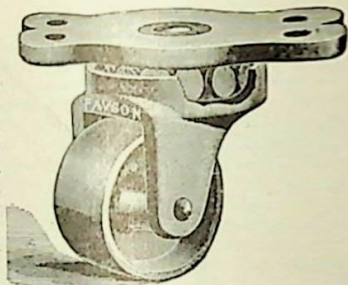
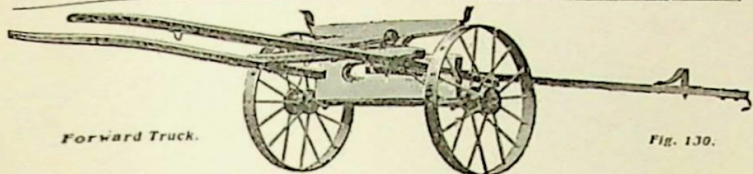


Fig. 22.

PRICE LIST OF STANDARD BARREL TRUCKS.

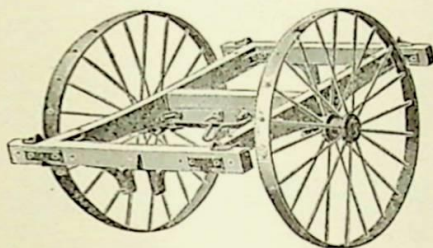
	Cipher.	Weight, lbs.	Size Over All.		Price Each.
No. 1, Fig. 19.	Dagger.....	30	24 x 30 inches	For Barrels . . .	\$3 00
No. 4, Fig. 19.	Dainty.....	45	29 x 35 inches	For Hogsheads..	4 50
No. 3, Fig. 20.	Dancer.....	25	24 x 24 in. 9 in. high.	For Barrels, etc..	2 00
No. 5, Fig. 20.	Darkness...	30	30 x 30 in. 5½ in. high	For Stoves, etc..	2 00



Forward Truck.

Fig. 130.

TONAWANDA LUMBER CART.



Rear Truck.

Fig. 131.

are coupled together they make a perfect lumber wagon. The rear truck is heavily built, and is 5 feet long by 3 feet 3 inches wide.

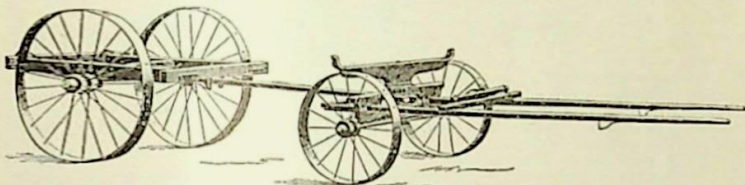


Fig. 132.

This cut shows the two trucks coupled together the same as an ordinary wagon. The reach has a hook at the end to hook into the draw staples of the rear truck. Forward truck has bolster with flat iron running its entire length and turning up at both ends, forming stakes, so the forward end of lumber loaded on rear truck will rest thereon when coupled. Shafts and all woodwork are made of the best quality of timber. We carry these trucks in stock.

Wheels.

Considerable experience has shown us that the best wheel for use on a lumber cart is a steel wheel. They are somewhat more expensive than wood wheels, but there are no loose tires to be often reset, and the wheels we furnish are very long lived. Should the spokes ever become loosened in the least, they are easily retightened, making the wheels as good as new. We have never known one of these wheels to wear out, and we have been making them for several years.

Tires, $\frac{1}{2}$ x 3 inches; spokes, $\frac{1}{2}$ -inch; solid hub with oil box. Axle, 2 inches, round steel. Turned bearings. Rear wheels, 44 inches in diameter; forward wheels 30 inches in diameter. Weight, rear truck, 430 lbs.; forward truck, 340 lbs.

Rear truck, Cipher, Beacon.
Forward truck, Cipher, Batter.

Price, each, \$48.00.
" " " 40.00.

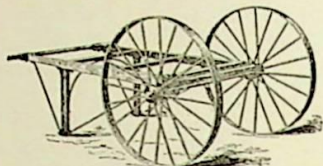


Fig. 150.

frame is 7 feet in length, 3 feet 6 inches in width, 4 feet between the wheels, and is made from the best quality of hardwood timber. It is very strongly mortised and bolted together. The front end is furnished with a 3-inch pipe roller, having bearings running in solid iron boxes. The lower ends of the legs are protected with iron shoes and are extra heavily braced. These shoes preserve the legs, do not dig into the ground, and act as a brake, by sliding. This is a very strong, durable truck, made for heavy loads and hard usage. The axle is made of 2-inch round iron and is firmly bolted to the body of the truck with iron clips. Wheels are 42 inches in diameter. Weight about 390 lbs. each.

Cipher, Bayonet.

Price each, \$40.00.

LIGHT WEIGHT IMPROVED HAND TRUCK, similar to above but lighter throughout—without roller. With $1\frac{1}{2}$ -inch axle and suspension wheels, preferable to above for light loads.

Cipher, Belligerent.

Price, each, \$32.00.

CALIFORNIA TRUCK

A truck designed for handling heavy dimension stuff. The frame is six feet, four inches long, two feet, seven inches wide; sides twelve inches deep—made from 3-inch hardwood timber. The wheels are two feet in diameter, 5 inch face; cross pieces extend over wheels. Heavy timbers can be easily loaded or unloaded. Extra width of tire enables load to be drawn over road not planked or paved. Very handy for heavy stuff.

Cipher, Banner.

Price each, \$42.00.

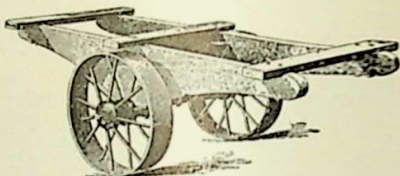


Fig. 154.

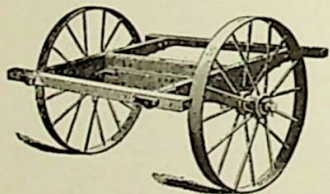


Fig. 151

is not dumped as in the old method and thus avoids breaking, splitting, etc., and is much handier. The frame is 4 feet long, 3 feet wide, strongly mortised and bolted together. 2-inch axle, 36-inch wheels.

Cipher, Baptist.

PLANING MILL TRUCK.

This truck has become very popular in lumber yards, planing mill and box factories, and is acknowledged by those handling lumber to be most economical and satisfactory. In using these the lumber is handled from the truck, and is

Price, each, \$40.00.

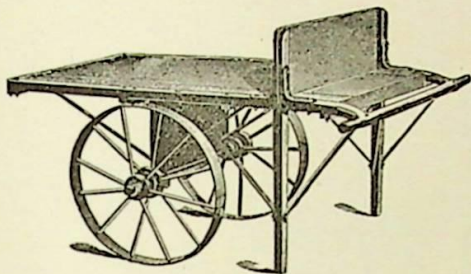


Fig. 149.

LATH TRUCK.

For handling lath or 4-foot edgings. Frame is 4 feet long, 3 feet wide, with a dash or end board 8 inches high, and mounted on a $1\frac{1}{2}$ -inch cross axle with 30-inch steel wheels. All parts are well made and put together with bolts, iron corners and braces.

Cipher, Lath.

Price, each, \$37.00.

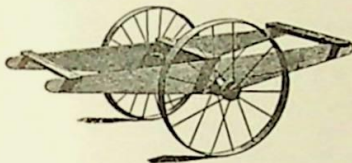


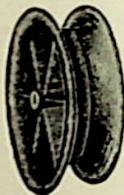
Fig. 148.

TRAMWAY TRUCK.

The advantages of this truck over the old style truck with wooden wheels will be seen at a glance and appreciated by users generally, as the annoyance and loss of time caused by tires getting loose, bands from hubs coming off in hot weather, and nuts unscrewing from axles on truck furnished with wooden wheels, is a universal experience. Our tramway trucks are 6 ft. 6 in. long by 3 ft. 2½ in. wide, and are furnished with steel wheels 36 inches in diameter, having ½-in. spokes and tire ½ x 3 in., and we use a 2-in. axle. At a slight additional cost we can, when desired, put swinging legs on each end to hold frame in a horizontal position. Weight about 350 lbs.

Cipher, Tramway.

Price, each, \$37.00.



POLE ROAD WHEEL.

24 inches diameter over all; 18 inches diameter on track; 6½ inches tread over all; 5½ inches tread on pole; 6½ inches length of hub; 1½ inches bore. Weight, 115 lbs.

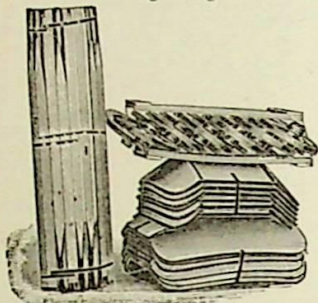
Cipher, Pole.

Price, each, \$7.00.

Fig. 156.

WHEELBARROWS.

Regarding Manner of Packing for Shipment.



Packed K. D. for Export. Fig. 180.

Canal barrows for export are packed as shown in Fig. 180, which illustrates one dozen barrows composed of but four racks, as follows:

	Size of Each, Inches.
1 rack of Handles, inclosing Legs, Braces, Bolts, etc....	12 x 15 x 60
2 racks of Trays, each.....	12 x 30 x 36
1 rack of Wheels.....	20 x 24 x 40
Total,	32 cubic feet.

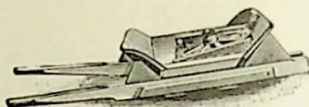


Fig. 181.

Fig. 181 shows a common bolted barrow packed for shipment (style -). Common Bolted, Eureka and Climax bolted barrows are also packed in this way, to points where freight rates will allow. Anyone can put them together, and each barrow is complete by itself. Cipher for this style packing, Canteen.

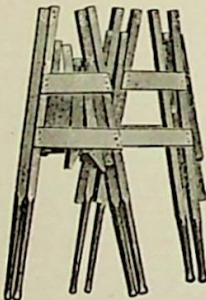


Fig. 182.

EUREKA.

LANSING.

Fig. 182 shows the manner of packing frames for canal barrows in car-load lots and for shipment long distances. All parts (except trays and wheels) for two barrows are complete in one package. The bolts are put in place or else in a small box packed between handles. The jobber will appreciate the fact that no unpacking and repacking of bolts is necessary in re-shipping. Cipher for this style packing, Cantata.

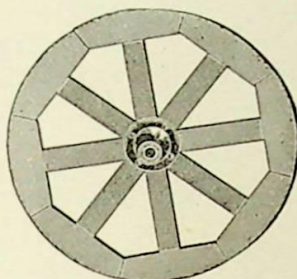


Fig. 185.

LANSING IRON HUB WHEEL.

The hub is made of gray iron, hardened the two sections driven by special machinery into the proper place on the spokes, and the two hub flanges securely riveted by four heavy rivets.

The tire is set by steam pressure, which actually shortens the iron in the tire, and reduces the diameter of the wheel by compressing the wood in the spokes where they meet in the hub, and bringing every joint up tight. So great is the pressure used that if the hub is removed the wheel is still apparently as strong as ever.

Only eight spokes are used, thus allowing the felloes to be thicker than usual, and spokes heavier. It is needless to say that, as there is no wooden hub to shrink the tire on a wheel so constructed will not become loose in any climate. The wheel revolves on a bolt through hub, which passes through handle and acts as an extra brace to the barrow when a load is being dumped.

The wheel is 18 inches in diameter, $1\frac{1}{4}$ inch tread, hub 6 inches long, spokes $1\frac{1}{2} \times \frac{3}{4}$ inches. This wheel is *stronger and will outwear any wooden or iron hub wheel made.*

It is furnished with Eureka, Government and Mortar Barrows.

A heavier wheel, same pattern, is furnished with Bent Handle Stone, Giant R. R. and Giant Wharf Barrows.

Cipher for this style iron hub wheel, Cardinal.

U. S. Patent Office,

JUN 16 1913

Trade-Marks and Designs,

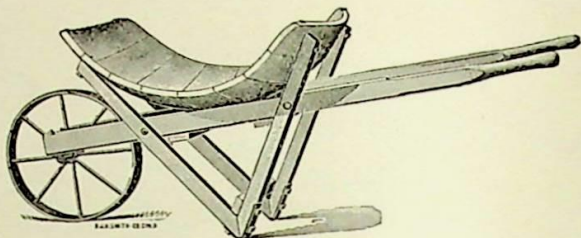


Fig. 201.

NEW MICHIGAN BARROW.

This barrow has a tray made of eight to ten pieces, instead of three or four; the pieces being held together by iron rods or bolts near the ends. The shape is very much like a half barrel, the barrel being cut longitudinally. Handles, legs and braces of hardwood, planed and well finished.

With Lansing 18-inch iron hub wheel, Cipher, Parish, ...\$35.00 per doz.

With heavy steel wheel, " " Parcel, ... 38.00 " "

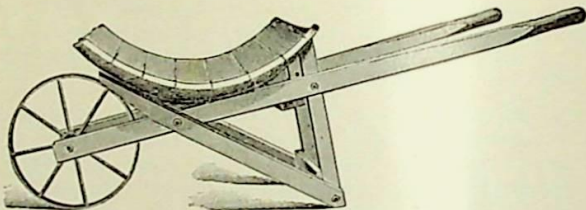


Fig. 203.

MICHIGAN JR. BARROW.

This barrow is furnished with tray similar but somewhat smaller than the one shown on cut of New Michigan barrow above. The barrow is lighter weight through out than the New Michigan.

With wood wheel, Cipher, Pasha.....\$25.00 per doz.

With steel wheel, " Parlor 28.00 " "

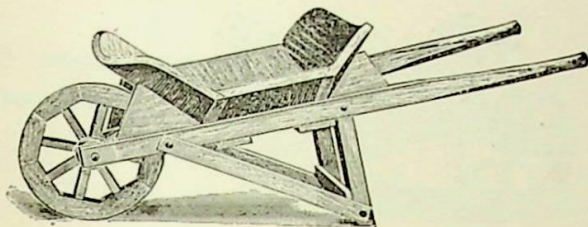


Fig. 211.

COMMON BOLTED BARROW.

Common size, bent tray, planed on both sides. Legs bolted to handles and well braced.

With improved 16-inch sectional felloe wheel, Cipher, Packet, \$25.00 per doz.

With Patent steel wheel, Cipher, Peacock,..... 28.00 per doz.

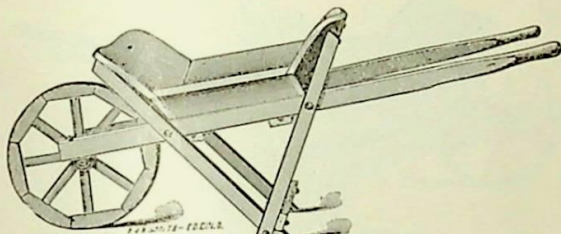


Fig. 214.

LANSING PATENT BOLTED CANAL BARROW.

Full size tray, well bolted in front and back. Handles and legs of selected hard wood, well planed and bolted, making a strong barrow.

With 18-inch sectional felloe wheel, Cipher, Painless..... \$32.00 per doz.

With steel wheel, Cipher, Penny..... 35.00 per doz.

NOTE A.—Barrows on pages 80 to 84 are furnished with either style B or Style S Wheels, whichever our customers prefer. Style B wheel revolves on a bolt which passes through hub and handles. Style S wheel has stationary axle and revolves on lugs and staples under handles. Eureka barrows are made in style B only.

NOTE B.—Canal barrows on pages 80 to 84 measure 28 to 33 cubic feet per dozen when packed in dozen lots for export.

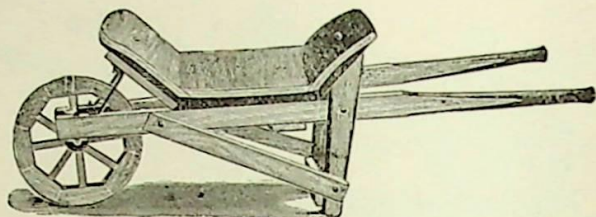


Fig. 212.

CLIMAX BOLTED BARROW.

With Wood Wheel.

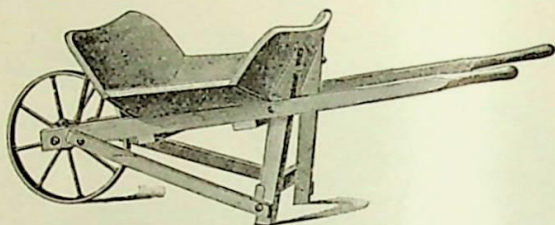


Fig. 216.

CLIMAX BOLTED BARROW.

With Steel Wheel.

The Climax Barrow has a full size tray, with edges shaved, bolted to legs, and well bolted and braced in front. Legs gained and bolted to handles. Handles and legs of selected hard wood. Wheels painted.

With improved 16-inch sectional felloe wheel, Cipher, Paddle...\$30.00 per doz.

With Lausing 18-inch iron hub wheel, Cipher, Potato..... 31.50 per doz.

With steel wheel, Cipher, Pedler..... 33.00 per doz.

See note on page 81.

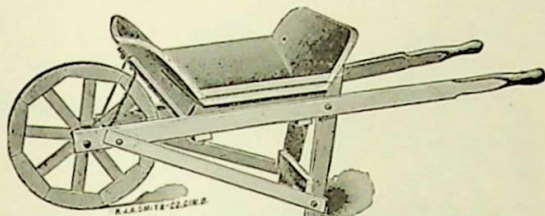


Fig. 213.

EUREKA BOLTED BARROW.

With Iron Hub Wheel.

The wheel furnished with this barrow is described on page 79.

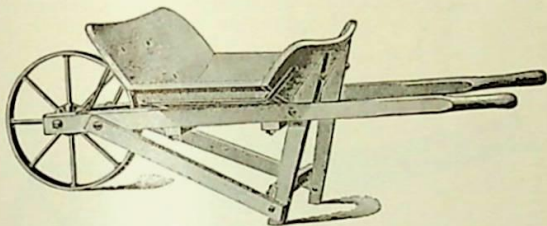


Fig. 217.

EUREKA BOLTED BARROW.

With Steel Wheel.

One of the strongest canal barrows made. Especially popular in the South. The front of tray is supported by a wooden cleat held by two bolts, as well as by the heavy iron braces. Trays are bolted to handles. Trays cleated. This barrow is made in style B only. Handles and legs are of selected hard wood.

With Lansing 18-inch iron hub wheel, Cipher, Pagan.....\$33.00 per doz.

With steel wheel, Cipher, Pallet..... 36.00 per doz.

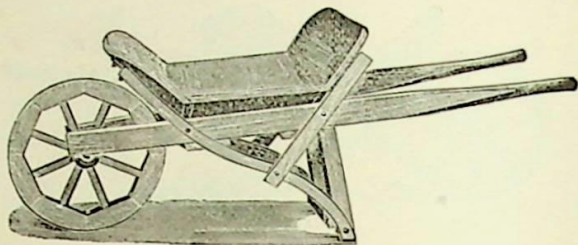


Fig. 215.

CAPITAL PATENT BOLTED CANAL BARROW.

Full size tray, well bolted in front and back. Handles and legs are of selected hard wood. Legs well braced and bolted to handles. The best canal barrow made.

With 18-inch sectional felloe wheel, Cipher, Palaco.....\$33.50 per doz.

With patent steel wheel, Cipher, Painter..... 36.50 per doz.

See note A on page 81.

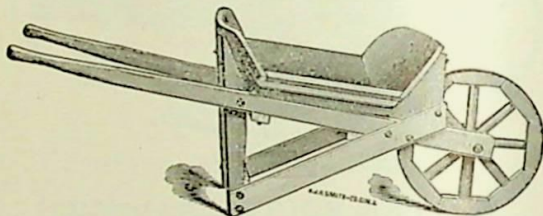


Fig. 272.

GIANT R. R.

This barrow is much the strongest canal barrow made. It is furnished with our iron hub wheel, extra heavy, same wheel used on stone barrow.

The tray is same as used on Eureka barrow, cleats on end of tray being held by $\frac{1}{2}$ x 1-inch steel straps. The braces are all double width and double bolted. All parts made of selected timber.

Cipher, Plural.

Price, per doz., \$48.00.

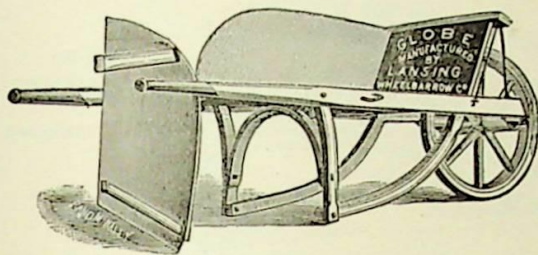


Fig. 230.

THE GLOBE PATENT GARDEN BARROW.

With Wood Wheel.

These barrows measure from 45 to 55 cubic feet per dozen when packed for export in dozen lots. The Globe Barrow has been on the market so many years, and is so well and favorably known, that many imitations have been made. None of the imitators have succeeded in producing so strong a barrow.

This barrow with steel wheel is shown on page 86.

No. 3 W. W.—Small Size.

Inside measurement of Box, 28 inches long, 17 inches wide at wheel end, 23 inches wide at handle end, 11 inches deep. Has an 18-inch wheel. Bottoms matched and glued. Painted green or red, striped and varnished. Weight 38 lbs. each.

Cipher, Palisade.

Price, per dozen, \$52.00.

No. 2 W. W.—Medium Size.

Inside measurement of box, 30 inches long, 19 inches wide at wheel end, 24 inches wide at handle end, 12 inches deep. Has a 20-inch wheel. Nicely painted blue, green or red, or oiled and varnished and striped. When ordering state which color is preferred. Bottoms matched and glued. Weight 41 lbs. each.

Cipher, Palmetto.

Price, per dozen, \$56.00.

No. 1 W. W.—Large Size.

Inside measurement of box, 32 inches long, 22 inches wide at wheel end, 27 inches wide at handle end, 12 inches deep. Has a 20-inch wheel. Nicely painted and striped. Bottoms matched and glued. Weight 46 lbs. each.

Cipher, Pancake.

Price, per dozen, \$60.00.

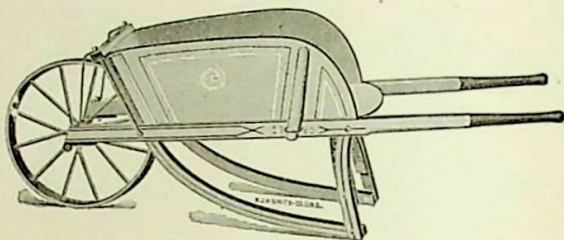


Fig. 241.

THE GLOBE PATENT GARDEN BARROW.

With Steel Wheel.

These barrows measure about 49 cubic feet per dozen when packed for export in dozen lots. The Globe Barrow has been on the market so many years, and is so well and favorably known, that many imitations have been made. None of the imitators have succeeded in producing so strong a barrow.

No. 3 S. W.—Small Size.

Inside measurement of box, 28 inches long, 17 inches wide at wheel end, 22 inches wide at handle end, 11 inches deep. Has an 18-inch wheel. Bottoms matched and glued. Painted green or red, striped and varnished. Weight, each, 40 lbs.

Cipher, Parachute.

Price, per doz., \$57.00.

No. 2 S. W.—Medium Size.

Inside measurement of box, 30 inches long, 19 inches wide at wheel end, 24 inches wide at handle end, 12 inches deep. Has a 20-inch wheel. Nicely painted, blue, green or red, or oiled and varnished and striped. When ordering state which color is preferred. Bottoms matched and glued. Weight, 44 lbs. each.

Cipher, Paragon.

Price, per dozen, \$61.00.

No. 1 S. W.—Large Size.

Inside measurement of box, 32 inches long, 22 inches wide at wheel end, 27 inches wide at handle end, 12 inches deep. Has a 20-inch wheel. Nicely painted and striped. Bottoms matched and glued. Weight, 48 lbs. each.

Cipher, Parallel.

Price, per dozen, \$65.00.

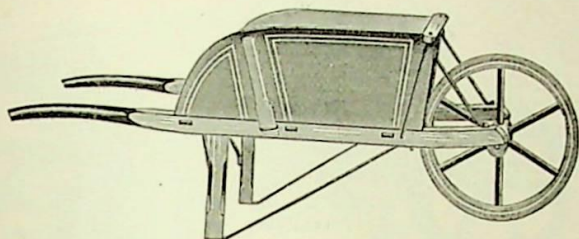


Fig. 221.

EASTERN GARDEN WHEELBARROW.

We guarantee these barrows to be better made and more neatly finished than any other garden barrow on the market. Made more particularly for New England trade.

Any of our garden barrows furnished with wide tread wheels when desired at an additional list price for 3-inch tread wheels, \$6.50 per dozen; 5-inch tread wheels, \$12.00 per dozen. Furnished with steel wheels at an additional list price of \$5.00 per dozen.

No. 2—Small Size, or Boys' Barrow.

Inside measurement of box, 21 inches long, 15½ inches wide at wheel end, 18 inches wide at handle end, 9 inches deep. Has a 16-inch wheel; 1½-inch tread, and has ¼-inch gudgeon. Nicely painted and striped. This is not a toy but a serviceable wheelbarrow designed for boys 8 to 12 years of age. It is as well made and handsome a barrow as the larger sizes. Bottoms matched and glued. Best boys' barrow in the market. One dozen packed for export measure 25 cubic feet. Weight 28 lbs. each

Cipher, Pantry.

Price, per dozen, \$56.00.

No. 4—Medium Size.

Inside measurement of box, 26½ inches long, 18½ inches wide at wheel end, 23 inches wide at handle end, 12 inches deep. Has a 20 inch wheel 6 or 8 spokes, 1½-inch tread, ¼-inch gudgeon. Painted either green or blue. Bottoms matched and glued. Nicely painted and striped. One dozen packed for export measure 45 cubic feet. Weight 40 lbs. each.

Cipher, Penknife.

Price, per dozen, \$62.00.

No. 5—Large Size.

Inside measurement of box, 28 inches long, 20 inches wide at wheel end, 24 inches wide at handle end, 12 inches deep. Has a 22-inch wheel 6 or 8 spokes, 1½-inch tread, ¼-inch gudgeon. Bottoms matched and glued. Nicely painted and striped. One dozen packed for export measure 50 cubic feet. Weight 46 lbs. each.

Cipher, Pepper.

Price, per dozen, \$60.00.

NOTICE—Iron leg braces are thoroughly bolted, not held by screws, making these barrows "custom" barrows. The wheels have wrought iron bands shrunk on end of hub. The spokes are of maple or beech, and shaped, not turned. We carry in stock quite a quantity of each size made of white oak or black ash and finished in the natural wood. No pine used in their construction.

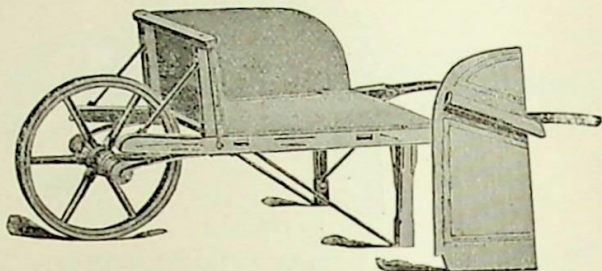


Fig. 270.

GARDEN BARROW.

With Springs.

Any of our garden barrows are furnished with springs for wheel when desired at an additional list price of \$6.00 per dozen.

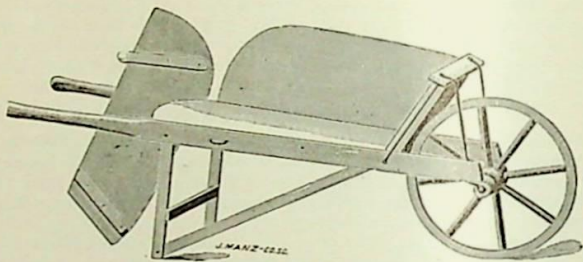


Fig. 222.

CRESCENT GARDEN BARROW.

Same size as the No. 2 Globe (page 85). Has 20-inch wheel. Painted blue or red, and nicely striped. Designed to meet the demand for a cheap garden barrow. Weight, 40 lbs. each.

Cipber, Pension.

Price, per dozen, \$52.00.

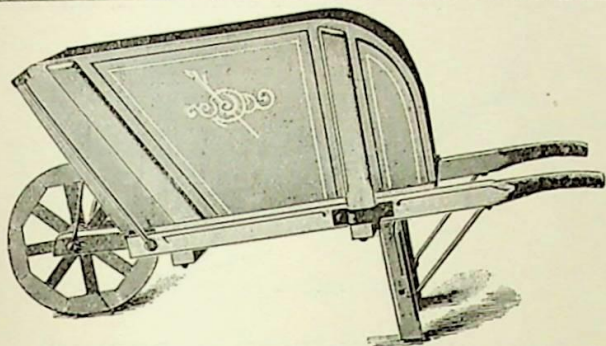


Fig. 271.

LAWN AND STABLE BARROW.

A very heavy garden barrow with removable sides, designed for extra heavy work, and for use about mills, tanneries, livery stables, etc. Box 25 inches wide, 32 inches long, 18 inches high. Weight, 85 lbs. each.

Cipher, Stabler.

Price, per dozen, \$84.00.

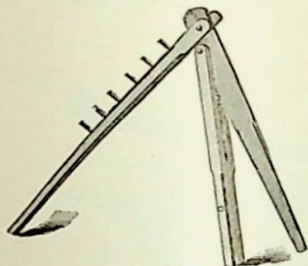


Fig. 322.

BALTIMORE
WAGON JACK.

An excellent jack for all kinds of work, including lifting of heavy trucks. This jack gives the best satisfaction of any made.

Timber is either rock elm, hickory or oak.

Weight, per doz., 130 lbs.

Cipher, Baltimore. Price, per doz., \$12.00.

COMMON WAGON JACK.

For light wagons and carriages. Weight, per doz., 60 lbs.

Cipher, Sexton.

Price, per doz., \$6.00.

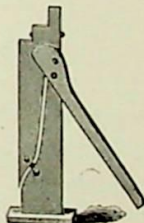


Fig. 321.

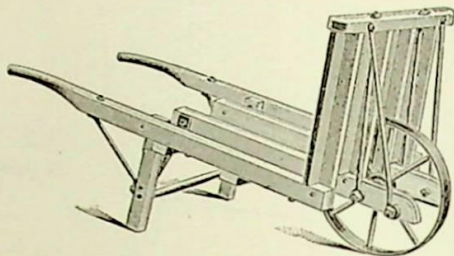


Fig. 242.

HEAVY BRICK YARD BARROW.

For brick and tile yards, and especially for handling green brick. The strongest brick barrow made. Made of best selected rock elm, hickory, or white oak lumber. Made also with closed bottom when so ordered. Painted brown.

With heavy wood wheel, 13-inch tread, .. \$96.00 per dozen.

With iron wheel, ... 104.00 per dozen.

Cipher, for open bottom, wood wheel, Passage.

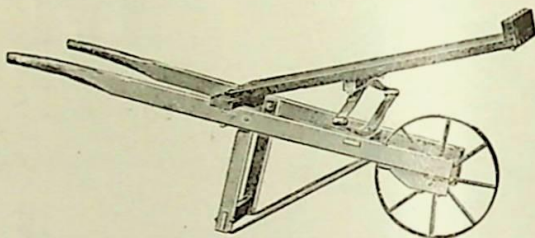


Fig. 235.

SPRING BRICK OR TILE BARROW.

Made of rock elm, hickory or white oak. Platform 24 x 40 inches. Steel wheel.

Cipher, Pastime.

Price, per doz., \$168.00.

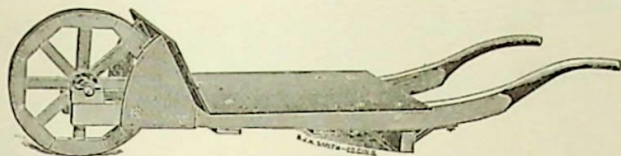


Fig. 275.

BENT HANDLE STONE BARROW.

With Steel Bottom.

Tray made of one piece of steel ($\frac{1}{4}$ -inch thick) 26 inches wide, 27 inches long, 9 inches high in front. Weight, 125 lbs. each.

In other respects this barrow is the same as stone barrow shown below.

Cipher, Pave.

Price, \$90.00 per doz.

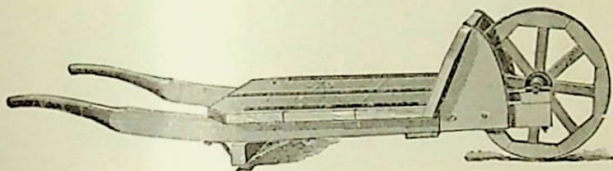


Fig. 225.

BENT HANDLE STONE BARROW.

Made for heavy work. Bottom and front of $1\frac{1}{4}$ -inch hard wood, dressed and well seasoned. Barrows painted brown. Weight, 70 lbs. each.

Size of bottom, 28 inches wide, 27 inches long and 11 inches high in front. Handles 2×3 inches, dressed, made of oak, rock elm or hickory.

With Lansing Iron Hub Wheel, extra heavy, Cipher, Patrol, \$60.00 per doz.

With heavy steel wheel, Cipher, Patroller, 63.00 per doz.

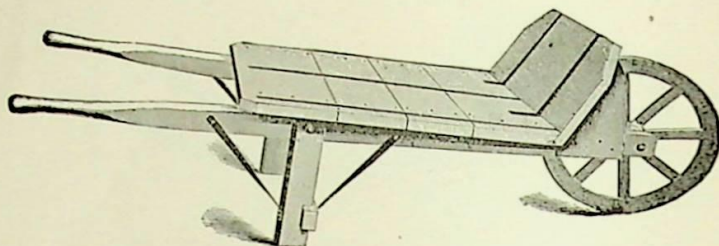


Fig. 223.

PIG METAL OR CASTING BARROW.

A very strong, well made barrow. Bottom and front of 1½-inch hard wood, dressed and well strapped with No. 10 steel. Painted brown. Weight, 69 lbs. each.

With Lansing Iron Hub Wheel, Cipher, Payday...\$52.00 per doz.

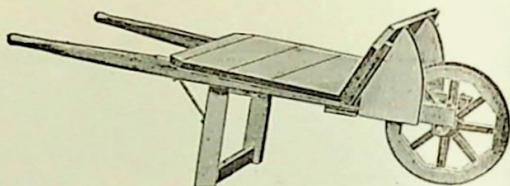


Fig. 224.

EASTERN STONE BARROW.

Sometimes called New York State Stone Barrow, as they are extensively used in that state. A light weight stone barrow. Weight, 50 lbs. each.

Size of bottom, 30 inches wide, 26 inches long, 11 inches high in front. One inch hard wood bottom.

With Improved 16-inch Sectional Felloe Wheel, Cipher, Pelican, \$33.00 per doz.

With Steel Wheel, Cipher, Pelicaner..... 36.00 per doz.

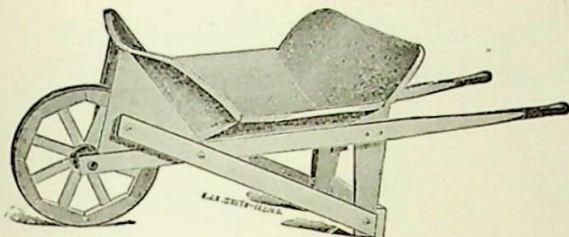


Fig. 274.

SALT OR SAND BARROW.

Made from choice timber. It will hold $2\frac{1}{2}$ to 3 times as much as the ordinary canal barrow. In some parts of this country it is used as a coal barrow. Furnished with Lansing iron hub wheel. Weight, 73 lbs. each.

Cipher, Salt.

Price, per dozen, \$54.00.

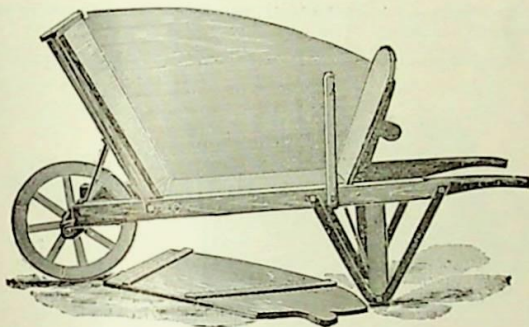


Fig. 229.

SAWDUST OR SHAVING BARROW.

A very large barrow for light, bulky material, and for use in saw mills or about stables. Made of selected timber.

Size of box at top, 28 inches wide at wheel, 32 inches wide at handle, 46 inches from front to back. Size of box at bottom, $17\frac{1}{2}$ inches wide at wheel, 22 inches wide at handle, 24 inches from front to back. 28 inches deep at wheel, 19 inches deep at handles. Weight, each, 100 lbs.

With heavy wood wheel (No. W 5, page 127), Cipher, Parsley, \$144.00 per doz.

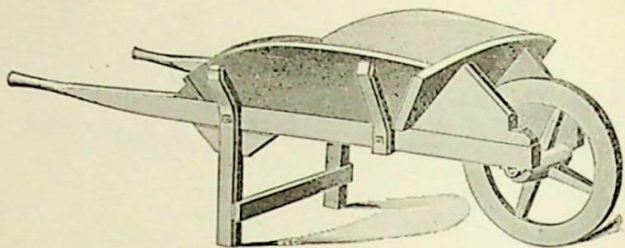


Fig. 226.

OLD GOVERNMENT BARROW.

Made for coal or ore according to specifications furnished by the U. S. Quartermaster's Department.

Legs and side braces held with $\frac{1}{2}$ -inch iron rods that extend from handle to handle, making the barrow well bolted together. Wheel is heavily tired. A very good mining barrow and a handy barrow for bricks, broken stone, etc. Weight per dozen, 650 lbs.

With Lansing 18-inch iron hub wheel; Cipher, Pastry.....\$52.00 per doz.

With heavy iron wheel, " Pastryman, 55.00 " "

Packed for export in one dozen lots measure about 27 cubic feet per dozen.

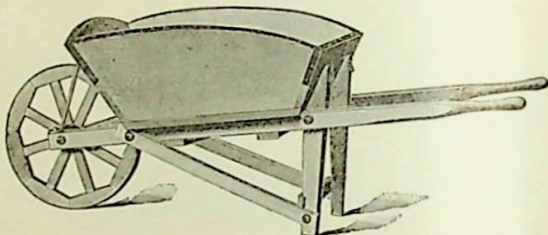


Fig. 227.

MORTAR WHEELBARROW.

Tight box for wheeling mortar. Top, iron banded. Iron braced and well bolted. Size of box at top, 29 inches wide at wheel, and 26 inches wide at handles, 32 inches long. Size of box at bottom, 19 inches wide, 20 inches long. Box 14 inches deep at wheel, 8 inches deep at handles. Weight per dozen, 720 lbs.

With Lansing 18-inch iron hub wheel; Cipher, Paradise, ...\$48.00 per doz.

With heavy iron wheel, " Paradise, 51.00 " "

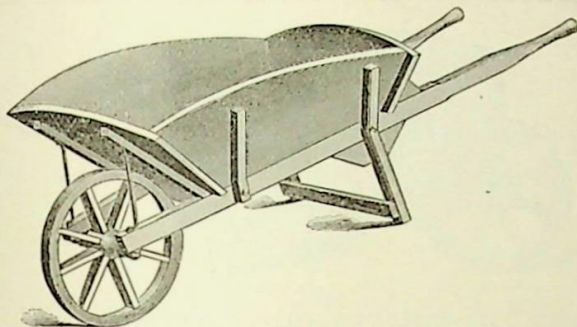


Fig. 228.

WHARF OR OYSTER BARROW.

This barrow is designed for rather bulky material; it is medium heavy—for lighter work use Sawdust barrow, page 93; for very heavy work, Giant Wharf barrow, page 96, or the smaller General Purpose barrow shown below.

Made of thoroughly seasoned oak or maple. Size of box at top, 32 inches wide at wheel end, 29 inches wide at handles, 39 inches long. Size of box at bottom, 15 inches wide at wheel, 18 inches wide at handles, 21 inches long. Box 21 inches deep at wheel, 11 inches deep at handles. Will hold eight bushels. Weight, 960 lbs. per doz.

With heavy wood wheel (No. W 5, page 127), Cipher, Parrot, \$86.00 per doz.

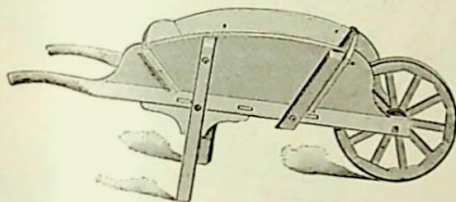


Fig. 240.

GENERAL PURPOSE BARROW.

The General Purpose barrow is, as the cut shows, a short, compact, very strong barrow. The wheel is very heavy, 18 inches in diameter, tread $1\frac{1}{2}$ inches. Box is made of 1-inch hard wood, and is 13 inches deep in front, 10 inches deep at back, 15 x 19 inches on bottom, 24 x 32 inches on top. Handles, legs and braces very heavy. These barrows are given two coats of blue paint, giving them a handsome appearance. Weight per dozen, 720 lbs. When packed for export measure $35\frac{1}{2}$ cubic feet per dozen.

Cipher, Colonial.

Price, per dozen, \$52.00.

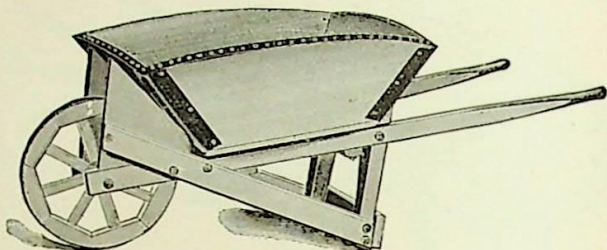


Fig. 273.

GIANT WHARF OR PHOSPHATE BARROW.

This is probably the strongest wooden-box barrow made.

The box is made of 1-inch material with heavy sheets securely riveted to the corners. Top of box bound with iron. Braces and legs double bolted, as shown in cut. Furnished with extra heavy iron hub wheel. Size of tray, top, 33 x 30 inches, bottom, 18 x 19 inches, depth 14 inches. Weight each 80 lbs.

Cipher, Pontiff.

Price, per dozen, \$84.00

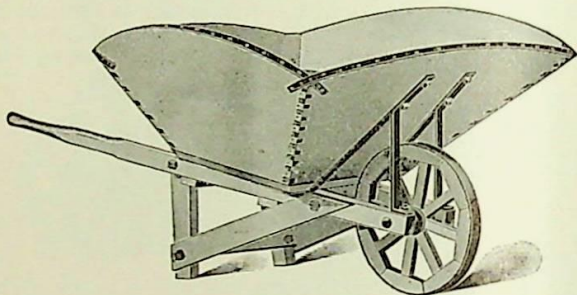


Fig. 276.

PACKING HOUSE OR MALT BARROW.

This barrow is much larger than the Giant Wharf. It is made of selected hardwood with sides and ends dovetailed together and firmly nailed. Tray strapped on top, all other parts thoroughly braced and bolted.

Size of tray 16 inches deep at handles and 26 inches at wheel. Bottom 17 inches wide by 18½ inches long. Top 41 inches wide by 43 inches long. Wheel 18 inches in diameter with iron hub. Weight each 85 lbs.

Code, Malt.

Price, per dozen, \$96.00.

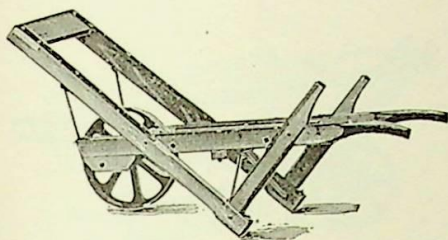


Fig. 239.

EXTRA HEAVY STAVE BOLT BARROW.

Made of selected hickory, rock elm or white oak. Well ironed, braced and bolted. Oiled and varnished. Weight, each, 106 pounds. Average width, 27 inches.

With heavy 20-inch iron wheel, or heavy wood wheel....\$120.00 per doz.
Cipher, Particle.

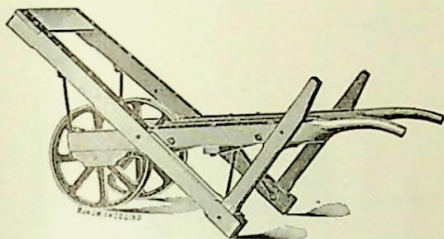


Fig. 234.

EXTRA HEAVY STAVE BOLT BARROW.

With Two Iron Wheels.

Same as barrow shown above, except furnished with two wheels.

The 25-pound, 20-inch iron wheels revolve on a turned 1½-inch axle, so that a large load can be easily carried. Weight, each, 130 lbs.

Cipher, Pencil.

Price, per dozen, \$150.00.

At first thought it may seem an easy matter to design a stave barrow that would suit manufacturers and dealers in staves and stave bolts, but a long experience in building these barrows has proven to us that the manufacturers of staves are very particular about the make up of the wheelbarrows they use. We spent several years getting up a barrow that would give everyone satisfaction and have finally succeeded, for, during the last four years we have put out a very large quantity of barrows and wagons, shown on pages 97 and 98, and they invariably give satisfaction. The manufacture of barrows and wagons for handling staves has become a specialty with us, and the barrows shown on these pages are the result of several years spent in perfecting them.

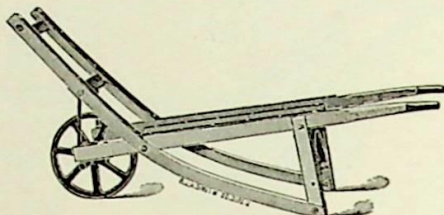


Fig. 231.

BENT BRACE STAVE BARROW.

Designed for carrying wood, staves, or light boxes. Weight, each, 85 lbs. Average width 24 inches.

With 25-lb. iron wheel, 18 inches diameter, Cipher, Partner, \$96.00 per doz.

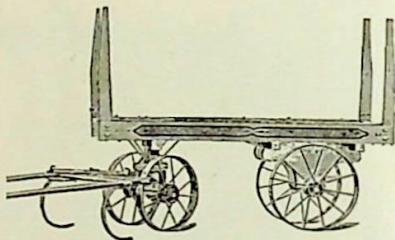


Fig. 280.

STAVE WAGON.

This wagon is designed for hauling staves or other material. Regular size, 2½ x 8 feet, with 24 and 30-inch heavy iron wheels with 3-inch tread. The shafts are adjusted to the wagon in a moment, and but one pair is needed for several wagons. As shown in cut, there are runners on shafts to prevent their catching in the ground when being hauled from one wagon to another. The wagons are made with open or closed bottoms as desired, and are very strongly ironed. Weight, 520 lbs.

With shafts, Cipher, Tomcat \$66 00 each.

Without shafts, Cipher, Tomcatter 60 00 each.

Write for discounts.

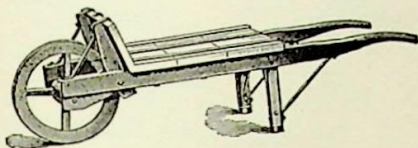


Fig. 237.

LANSING HAND-MADE PIG IRON BARROW.

Made for carrying pig iron, castings, etc. Size of bottom, 3 feet long by 2 feet wide, 8½ inches high in front, bottom 1½ inches thick. We iron the bottom of this barrow with strips of ½-inch iron, which we bolt to the bottom and handles. All irons are bolted, and nothing but first-class timber is used in these wheelbarrows. Handles made of 2 x 3 inch white oak or hickory. Wheel very heavy, diameter 19 inches, tread 1½ inches, tire ½ inch thick. Iron bands on ends of legs. This is a wheelbarrow that will stand work. Weight of barrow 95 lbs.

Cipher, Seaboard.

Price, each, \$8.00.

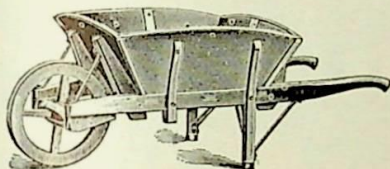


Fig. 238.

LANSING HAND-MADE SCRAP IRON BARROW.

This barrow is made for very heavy work in and about foundries, rolling mills, machine shops, etc., and is made of the very best seasoned timber. Handles are made of 2 x 3 inch white oak; box is made of 1½-inch maple. Size of box at top, 26 inches wide at wheel end, 30 inches wide at handle end, 34 inches long. Has a heavy wheel 19 inches in diameter, 1½-inch tread, and has ½-inch tire. We put heavy iron bands on ends of the hub. Weight of barrow is 130 lbs. Has iron bands on ends of legs and all iron braces are of ½-inch round iron. All irons are bolted.

Cipher, Seacoast.

Price, each, \$10.00.

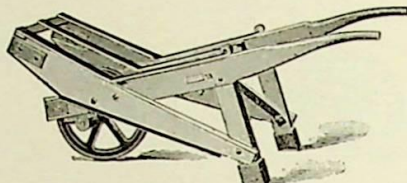


Fig. 236.

PITTSBURGH OPEN HEARTH BARROW.

The heaviest and strongest barrow made. Ironed with half inch iron. Cast iron shoes bolted on legs. The only wooden barrow that will stand carrying pig iron or billets. It will be noticed by referring to dimensions below that the barrow, though so heavy, is very compact, so the load is easily managed. Furnished with 40 pound Cast Iron Wheel.

DIMENSIONS.

Handle 54 inches long.	Length of iron work on top, 34 inches.	Weight 160 lbs.
Cipher, Scurvy.		Price, each, \$14.00.

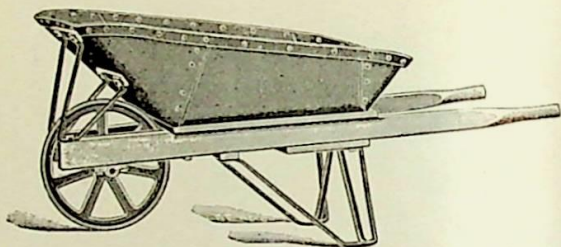


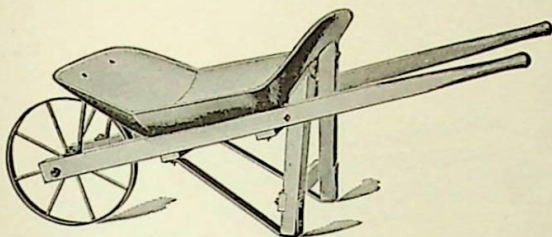
Fig. 286.

DOCK BARROW FOR COAL.

Made with a large tray designed for wheeling coal. A large part of the weight of the load is directly over the wheel. The tray is placed on a board bottom and is well reinforced at top and in front.

Tray made of No. 14 steel. Size at bottom, 18 x 24 inches; front 18 inches; back, 8½ inches; length at top 3 feet, 7 inches; width at wheel end, 2 feet, 11 inches; width at handle end, 2 feet 6 inches; width over all, 3 feet. To hold about 500 pounds of coal.

Cipher, Dock. Weight each, 130 lbs. List price, each, \$18.00.

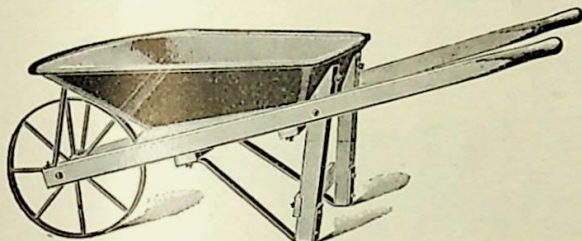


Styles B 1 and B 2. Fig. 251.

CLIMAX BARROW.

With Wired Edge Steel Tray.

No.	Cipher.	One Dozen Packed for Export Measure.	Diameter of Wheel, Inches.	Gauge of Steel in Tray	Size at Top.	Weight Each, Pounds.	Price per Dozen.
B 1	Seagrass	21 cu. ft.	17	16	28 in. long, 31 in. wide	55	\$60 00
B 2	Seaman	21 cu. ft.	17	14	28 in. long, 31 in. wide	60	66 00



Styles C 3 to C 5. Fig. 252.

CLIMAX BARROW.

With Wired Edge Steel Tray.

All above barrows are furnished with heavy steel wheels 17 inches in diameter. As the trays are made of one piece of sheet steel of the same thickness throughout there are no thin corners to give out after a little use. Edges are flanged and turned over a 5-16-inch steel rod. All parts of the barrows are given a heavy coat of paint. C 5 is 16 inches deep at front and 8 inches at back.

No.	Cipher.	One Dozen Packed for Export Measure.	Diameter of Wheel, Inches.	Gauge of Steel in Tray	Size at Top, Inches.	Capacity in Cubic Feet.	Weight each, lbs.	Price per Dozen.
C 3	Seamark	24 cu. ft.	17	16	33 long, 27 wide	3	55	\$66 00
C 4	Seamster	24 cu. ft.	17	14	33 long, 27 wide	3	65	72 00
C 5	Semitone	26 cu. ft.	17	14	37 long, 31 wide	4	70	78 00

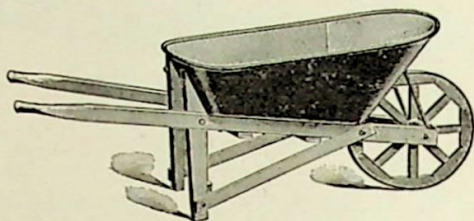


Fig. 255.

STEEL TRAY MORTAR BARROW.

With deep steel box of No. 15 steel. Size at top 34 x 28 inches.
Depth at front, 18½ inches; depth at handle end, 9 inches.

Cipher, Shekel.

Price, per dozen, \$90.00.

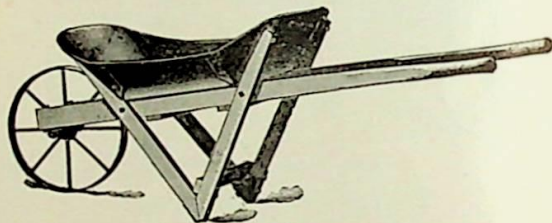


Fig. 243.

KLONDYKE BARROW.

A first-class, well made, light steel tray barrow, with ½ steel rod rolled in edges, with steel wheel, and iron shoes, yet sold at so reasonable a price that it will take the place of the ordinary canal barrow.

Cipher, Klondyke. Weight 42 lbs. Price, per doz., \$40.00.

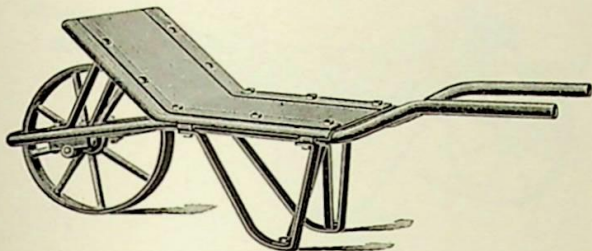


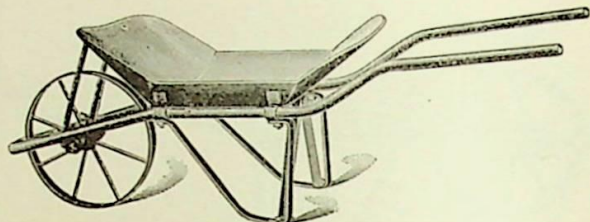
Fig. 278.

STEEL PIG IRON OR INGOT BARROW.

This is an especially strong, well made barrow for use in carrying extra heavy castings or pig iron about a foundry. It is well bolted and braced and made of the best material. The handles are of one piece and pass around in front of the wheel, making the frame rigid, and forming an excellent support for attaching wheel. We use a 17-inch diameter wheel, very heavy, which revolves on a heavy bolt passing through handles, thus greatly strengthening the barrow. The wheels are made with gray iron hubs and with round iron spokes which are shouldered at tire, and passing through are riveted on outside and inside. Tires are $1\frac{1}{2}$ inches wide. The bed and dash of barrow are of No. 10 steel. Size of bed 22 x 24 inches, dash 18 inches high. We furnish this barrow with two wheels when desired at an additional price. Weight of barrow 110 lbs.

Cipher, Ingot.

Price, each, \$24.00.



Style A 1. Fig. 254.

TUBULAR STEEL TRAY BARROW.

A 1.

With Flanged and Wired Edges.

The trays of these barrows are made of one piece of steel, of the same thickness throughout. The expense of repairing wooden barrows is greater than the original cost, and the loss of time so increases the expense that the steel barrow is cheaper in the end.

These barrows are made to dump forward, and are so constructed that at the dumping point they will not run back on the operator. Made of galvanized iron, at an additional price when so ordered. Edges of trays are flanged and turned over a 5-16 inch steel rod. This rod prevents the tray from breaking at the edge and besides very materially strengthens it. As the steel of the tray is of the same thickness throughout there are no thin corners to give out after a little use.

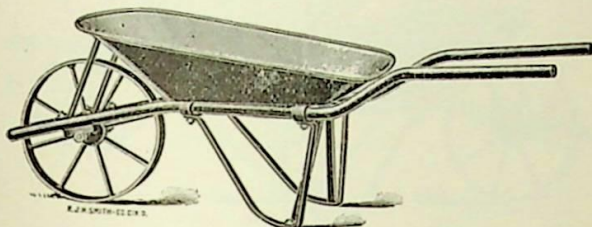
Wheels revolve on a heavy bolt which also passes through the handles and so materially strengthens the barrow. The wheels are made with gray iron hubs with round iron spokes shouldered at tire, passing through and riveted on outside and inside. It is impossible for the spokes to become loosened from either tire or hub. Tires are 1½ inches wide. Wheels revolve on ½ inch bolt through hub. Barrows given a heavy coat of paint.

Trays are about the size of those used on the ordinary canal barrow.

Gauge of steel 14. Weight, each, 80 pounds. Packed for export, 1 dozen measure 26 cubic feet.

Style A 1, Cipher, Saltish.

Price, each, \$12.00.



Style A 2. Fig. 281.

TUBULAR STEEL BARROW.

A 2.

The tray is made of one piece of No. 15 steel of the same thickness throughout. The edges of the trays are flanged and turned over a 5-16-inch steel rod. This rod prevents the tray from breaking at the edge and makes it very much stronger. As the steel of the tray is of uniform thickness there are no thin corners to give out after using a short time. These barrows are made to dump forward, and are so constructed that at the dumping point they will not run back on the operator. They are well bolted and braced, and made of the best material and painted.

The wheels revolve on a heavy bolt which also passes through the handles and so materially strengthens the barrow. The wheel used is shown on page 127, Fig. 308. The barrow weighs about 70 lbs; capacity about 3 cubic feet. Size of tray on top, 27 x 33 inches. Packed for export one dozen measures 26 cubic feet. Barrows are given a heavy coat of paint.

The A 2 barrow, shown above, is designed for wheeling dirt and other lighter work than the A 13 and A 14 barrows shown on page 106. We recommend the latter for ore and iron.

A 2. Cipher, Seaport.

Price, each, \$12.00

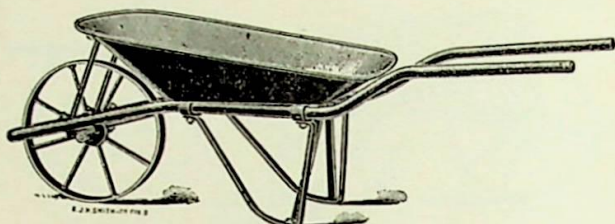


Fig. 282.

TUBULAR STEEL MINING BARROW.

A 13.

The tray is made of one piece of No. 13 steel of the same thickness throughout. These are the only perfect mining barrows manufactured, and are a favorite with miners. The handles being of one piece and passing around the front of the wheel make a very rigid frame and the best possible support for attaching wheel. The edges of the trays are flanged and turned over a 5-16-inch steel rod. This rod prevents the tray from breaking at the edge, and makes it very much stronger. As the steel of the tray is of uniform thickness there are no thin corners to give out after a little use. Barrows are well painted. Handles being of one piece it is impossible for them to spread and allow wheel to drop out. This barrow is useful wherever heavy material is to be handled, and where hard usage may be expected. The wheels revolve on a heavy bolt which also passes through the handles, and so materially strengthens the barrow. The wheel used is shown on page 127. Capacity of barrow about 3 cubic feet. Weight 75 lbs. Packed for export one dozen measures 26 cubic feet. Size of tray on top, 27 x 33 inches.

A 13. Cipher, Searcher.

Price, each, \$13.00.

A 14.

Same size and style as above except with tray made of No. 12 steel; weight about 90 lbs.

A 14. Cipher, Seamless.

Price, each, \$15.00.

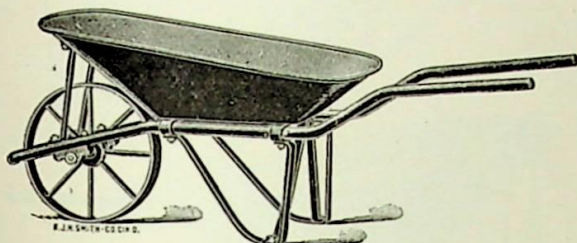


Fig. 283.

STEEL TUBULAR COAL BARROW.

A 15.

These barrows have larger trays than the A 2, A 13 and A 14 barrows, being designed more especially for coal, the capacity being about 270 pounds of coal. They can also be used to advantage in many other places, though for wheeling castings and for machine shop work we recommend the A 14, A 16 or A 17.

Wheels revolve on a heavy bolt which also passes through the handles and so materially strengthens the barrow.

The edges of the trays are flanged and turned over a 5-16 inch steel rod. This rod prevents the tray from breaking at the edge and makes it very much stronger. As the steel in the tray is of a uniform thickness there are no thin corners to give out after a little use. Barrows are well painted.

A 16 and A 17.

Designed especially for use in foundries, machine shops and other places where a large, heavy, very strong barrow is wanted.

No.	Cipher.	Packed for Export, 1 dozen Measure.	Size of Tray on Top, Inches.	Diameter of Wheel, Inches.	Gauge of Steel in Tray	Capacity in Feet.	Weight lbs.	Price Each.
A 15	Season	30 ft.	30 x 38	17	14	4½	86	\$15 00
A 16	Scuttle	30 ft.	30 x 38	17	12	4½	93	18 00
A 17	Sedans	30 ft.	30 x 38	17	10	4½	110	20 00

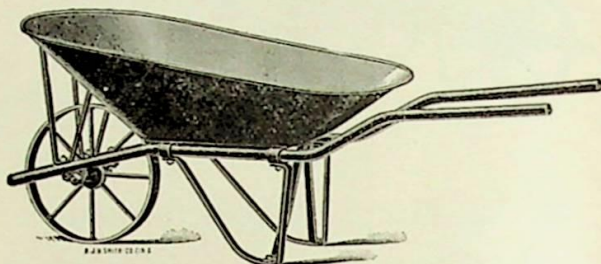


Fig. 285.

TUBULAR STEEL COKE BARROW.

A 18.

These barrows have very large trays, capacity about 210 lbs. coke or 370 lbs. coal. They are strongly made and well braced and thoroughly painted. Wheels revolve on a heavy bolt which also passes through the handles and so materially strengthens the barrow. The edges of the trays are flanged and turned over a 5-16-inch steel rod. This rod prevents the tray from breaking at the edge and makes it very much stronger. As the steel in the tray is of the same thickness throughout there are no thin corners to give out after a little use.

A 18½ and A 19 are designed for Coke.

No.	Cipher.	Size at Top Inches.	Diameter of Wheel, Inches.	Gauge of Steel in Tray	Capacity.	Weight each, lbs.	Price.
A-18	Shark.....	33 x 42	17	14	370 lbs. coal	100	\$20 00
A-18½	Statute.....	33 x 42	17	16	370 lbs. coal	90	19 00
A-19	Sceptic.....	38 x 50	17	16	350 lbs. coke	100	24 00

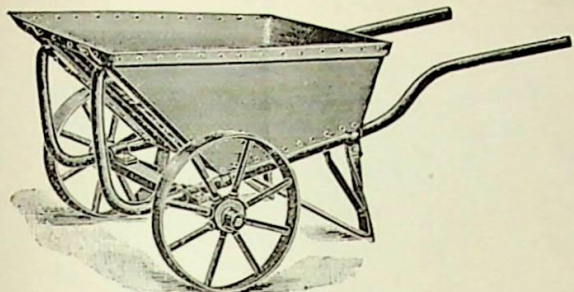


Fig. 256.

COAL BARROW WITH TWO WHEELS.

No.	Cipher.	Weight Each, lbs.	Fig.	Size of Tray at Top.	Diameter of Wheels, Inches.	Gauge of Steel in Box.	Capacity in lbs. of Coal.	Price Each.
D 1	Seem.....	175	256	23 x 33	16	12	250	\$25 60
D 2	Seldom.....	185	256	24 x 35	16	12	350	27 60
D 3	Select.....	220	256	26 x 38	18	12	400	30 60
D 4	Self.....	240	256	27 x 40	18	12	500	32 60

Made of steel, banded around top, well painted.

These barrows are easily dumped forward without running back onto the operator. Axles have turned bearings. Wheels bored true to size. Coal barrows of any size made to order.

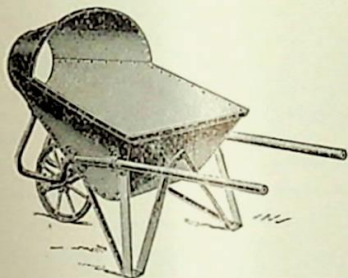


Fig. 263. PHILADELPHIA COAL BARROW.

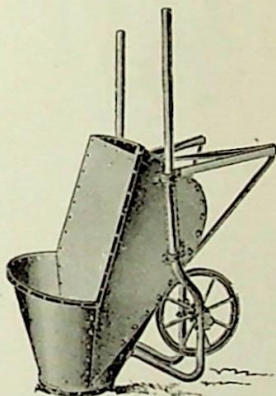


Fig. 264. PHILADELPHIA COAL BARROW DUMPED.

This is a special barrow, made of No. 14 steel, large enough to carry about 300 lbs. of coal. Width, 30 inches; extreme length, 60 inches; length of box, 40 inches; diameter of nose opening, 12 inches. Furnished with a 16-inch wheel.

Cipher. Surtout.

List price, each, \$45.00.

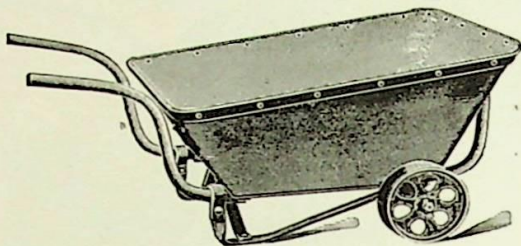


Fig. 257.

MACHINE SHOP BARROW.

Tray made of No. 12 steel; size on top, 27 x 36 inches; depth, 13 inches; wheels, 8½ inches in diameter. Length of barrow over all, 49 inches. Weight, 160 pounds.

The ordinary wheelbarrows are so long that they are often in the way, and in a crowded place these barrows with short handles are much more convenient to use.

The wheels are so small that the top of the barrow is only 21 inches from floor. This barrow can often be used in place of a truck.

Cipher, Sleep.

Price, each, \$25.00.

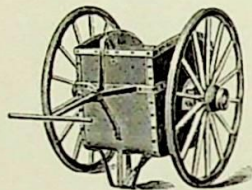
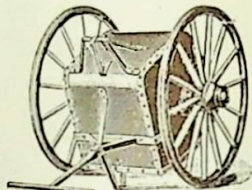


Fig. 269.



STEEL ORE OR CHARGING CART NO. 1.

Made to Order.

This cart is largely taking the place of the charging barrows and is used in place of them by the newest and best equipped plants.

The weight of the load is directly on the axle and is very easily dumped. Owing to the large diameter of the wheels, the large load is easily carried.

Body made of No. 8 steel, banded around top with ½ x 1½ inch iron. To stiffen sides and support axle a ½ inch steel sheet 12 x 24 inches, and a ½ inch steel sheet 6 inches square is securely riveted to inside of body. The axle passes through the center of each sheet and through the cart, and is riveted to body by iron hangers.

A steel shield is riveted to body over axles to prevent dirt from getting into the wheel boxes and cutting them.

Wheels—First quality wagon wheels 48 inches in diameter, painted, striped and varnished; 1½ x ½ inch tire; 14 spokes. Axles—Steel, 1½ inches square. Body—Width, 24 inches; height, 33 inches; length, 40 inches. Handle—1½ inch iron. Legs and Braces—½ x 1½ inches, and ½ x 1½ inches. Weight, complete, about 540 pounds.

Cipher, Slate.

Price depends on quantity ordered.

CHARGING BARROW.

For Charging Blast Furnaces or Gas Retorts.

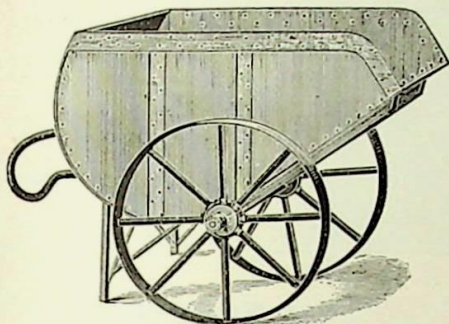


Fig. 258. BARROW STANDING.

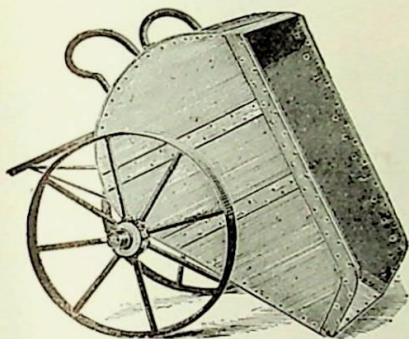


Fig. 259. BARROW DUMPED.

No.	Cipher.	Weight, Each.	Width, Inches.	Depth, Inches.	Length, Inches.	Diameter of Wheels, Inches.	Capacity, Cubic Feet.	Price, Each.
1	Senior	325	20	21½	54	30	10	\$75 00
3	Sensitive	375	24	26	54	30	14	83 00
5	Sentry	450	28	30	57	30	20	90 00

Charging Barrows of other sizes made to order.

If desired these barrows can be furnished with third wheel in place of legs. Price same as above.

The steel cars shown below can be made of any size desired, and can be varied in shape to suit purchasers. Regular sizes are shown below.
Prices given upon application.

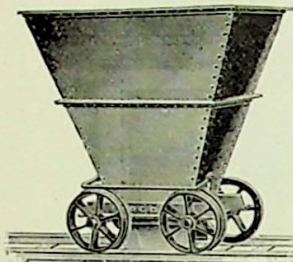


Fig. 288.

STONE CAR.

Hopper 3 feet 6 inches x 4 feet 6 inches at top; 18 inches x 18 inches at bottom, and 4 feet 6 inches high.

Made of 3-16 inch steel plate.

Corner angles $1\frac{1}{2}$ x $1\frac{1}{2}$ x $\frac{1}{4}$.

Frame angles $3\frac{1}{2}$ x $3\frac{1}{2}$ x $\frac{1}{4}$.

Axles $1\frac{1}{2}$ inches square with roller bearings.

Bottom dumps.

Weight, 911 pounds.

Cipher, Shanty.

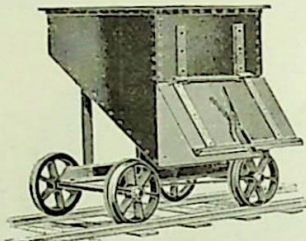


Fig. 289.

LIME CAR.

Hopper—top 3 x $3\frac{1}{2}$ feet; $3\frac{1}{2}$ feet deep. Made of 3-16 inch steel plate. Angles supporting hopper, 3 x $3\frac{1}{2}$ x $\frac{1}{4}$. Angles resting on axles, $3\frac{1}{2}$ x $3\frac{1}{2}$ x $\frac{1}{4}$. Axles $1\frac{1}{2}$ inches square, roller bearings. Weight, 866 lbs.

Cipher, Serpent.

SODA ASH BARROW.

Hopper 44 inches long, 31 inches high, 30 inches wide, of No. 10 steel plate.

Corner angles $1\frac{1}{2}$ x $1\frac{1}{2}$ x 3-16.

Handles 1-inch gas pipe.

Steel wheels with $\frac{1}{4}$ -inch calendered steel roller bearings. Tires $\frac{1}{2}$ x 3-inch steel.

Weight, 625 lbs.

Cipher, Shear.

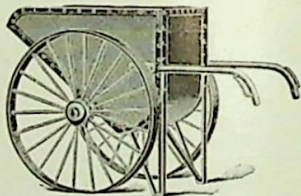


Fig. 298.

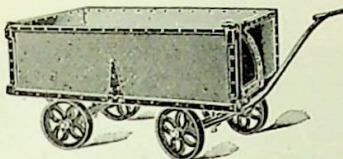


Fig. 173.

COAL TRUCKS.

These trucks are made any size to order. We carry in stock trucks 5 feet x 34 inches; 18 inches deep, to carry 1000 lbs. coal. Wheels 14 inches in diameter. Hinges and side-board irons are malleable; the only cast iron about the car being the wheels.

Cipher, Spangle.

Price, each, \$100.

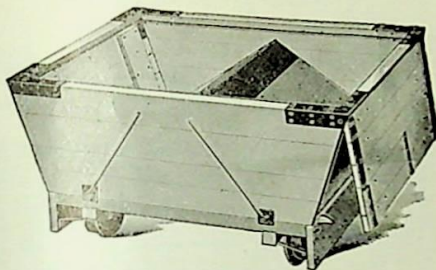


Fig. 268.

DUMP COAL CAR.

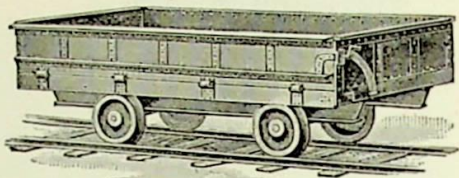
The above illustration shows a style of coal car often used in gas works and other places where large quantities of coal are used. These cars are made to order, of size to suit purchasers. The bottom is given slope enough so the coal will readily drop when gate is opened. The gate can be quickly opened by a movement of the handle bar and closes automatically. The box and bottom are made of two-inch hardwood plank. The bottom is covered with sheet steel. Let us know size wanted and price will be promptly furnished.

Cipher, Shell.

Pafr.

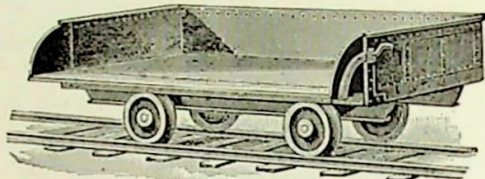
STEEL COAL OR MINING CAR.

Made to Order.



CAR READY FOR LOAD.

Fig. 260.



CAR WITH SIDE LET DOWN.

Fig. 261.

The following is the size in common use: 7 feet 8 inches x 3 feet 7 inches x 14 inches, inside measurement. From top of track to top of box, 28 inches. For track of 36 inch gauge. Capacity about 2,500 pounds of coal.

Cipher, Sepoy.

Price, each, \$140.00.

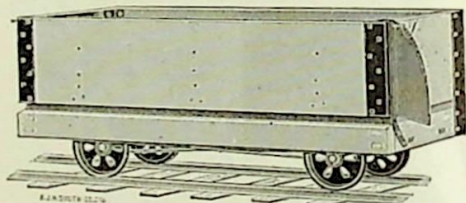


Fig. 267.

HEAVY WOOD BOX COAL CAR.

This cut shows a coal car made with plank box and frame, the lightest piece of timber used being 1½ inches thick. The side lets down in the same manner as Fig. 261 shown above. The bottom and inside of door are covered with sheet steel. Bolts on bottom are countersunk. Corners of car are heavily bound with sheet steel. This car can be mounted on truck wheels instead of car wheels when it is not desired to be used on a track. Made any size to order. A common size is 3½ x 6 feet, 14 inches deep and with 15-inch wheels.

Cipher, Shingle.

This size takes a list price of \$100.00.

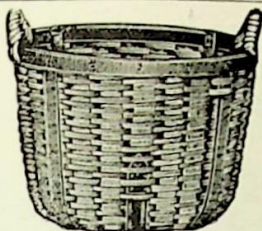


Fig. 410.

IRON BOUND BAMBOO COAL BASKET.

With Rope Handles.

Best of hickory standards, cut heavy and braided with slab bamboo. Four iron straps extending from rim to rim and securely fastened. Just the basket for coal or lime dealers.

1	Bushel, weight per doz., 80 lbs.;	Cipher, Landlord;	price per doz., \$12 00.
1½	" " " 100 "	" Landmark, " "	14 00.
2	" " " 120 "	" Landscape, " "	16 00.
3	" " " 160 "	" Landsman, " "	18 00.

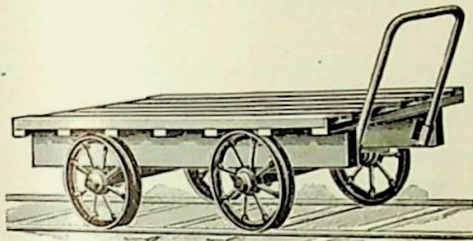


Fig. 299.

PUSH CAR WITH SLATTED BOTTOM.

Made to Order.

Give us weight of load to be carried, size platform desired, and gauge of track (distance between rails), and quantity wanted, and we will quote price.
Cipher, Skewer.

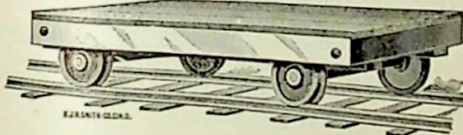


Fig. 287.

PUSH CAR.

It is hardly possible to show all the styles and sizes of push cars that we make. The above cut shows a common style. Let us know the size of platform you desire and weight of load to be carried and net prices will be furnished.
Cipher, Shed.

STEEL COAL SHUTES.

These shutes are made of the best quality sheet steel. A steel rod is rolled by special machinery into each edge of the sides, and ends are heavily banded. By special machinery the bottoms are corrugated giving great strength without making the shute unnecessarily heavy.



Fig. 296.

Telescope Wagon Shute.

No.	Cipher.	Length of Shute.	Length of Slide.	Extreme Length Adjusted.	Width, Upper End.	Width, Lower End.	Price, Each.
1	Zebra.....	8 ft.	5 ft.	12 ft.	21 in.	12 in.	\$13 50
2	Zenith.....	10 ft.	7 ft.	16 ft.	21 in.	12 in.	18 00
3	Zephyr.....	12 ft.	9 ft.	20 ft.	21 in.	12 in.	22 50

These Shutes can be quickly adjusted to any length needed, not longer than the extreme length mentioned above.



Fig. 297.

Tapered Wagon Shute.

The following sizes are kept in stock, 21 inches wide at top, 12 inches at bottom.

No. 11, Zigzag,	8 feet long, each.....	\$6 00
No. 12, Zodiac,	10 feet long, each.....	7 50
No. 13, Zone	12 feet long, each.....	9 00

Made any length to order.

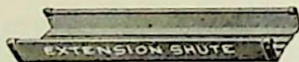


Fig. 293.

Extension for Tapered Shute.

Price per foot, 75 cents.

These extension shutes are made to fit small end of tapered wagon shutes, also small end of each other. Thus a tapered wagon shute may be extended to any length desired by adding extensions.

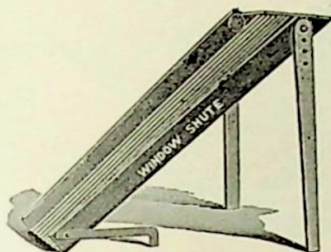


Fig. 294.

TAPERED WINDOW SHUTES.

No. 21, Cipher, Zouavo, length 5 feet, width at top 24 inches. Price each, \$6.00.
Longer shutes can be furnished at an additional price of 75 cents per foot.
These shutes are used for emptying coal through windows or holes in sidewalk.



Fig. 295.

SOFT COAL SHUTES.

These shutes are same as tapered shutes except wider at the bottom.

No.	Cipher.	Length.	Width at Top.	Width at Bottom.	List Price Each.
31	Zero	8 ft.	21 in.	15 in.	\$6.00
32	Zest	10 ft.	21 in.	15 in.	7.50
33	Zealous	12 ft.	21 in.	15 in.	9.00
41	Quibble	8 ft.	21 in.	18 in.	7.00
42	Quail	10 ft.	21 in.	18 in.	8.60
43	Quarry	12 ft.	21 in.	18 in.	10.25

Any length and width made to order. Curves are furnished for \$4.50 each extra.

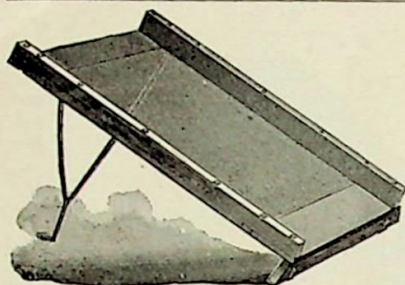


Fig. 401.

GENERAL PURPOSE SCREEN.

The screen shown in above cut, is shown as it is being used in the yard. It is a screen for general purposes.

In ordering always mention size mesh wanted.

SIZES CARRIED IN STOCK.

24 x 60, mesh $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$ or $\frac{3}{4}$	list price, \$9 75
24 x 72, same mesh	" " 11 25
30 x 60, " "	" " 11 25
30 x 72, " "	" " 12 75

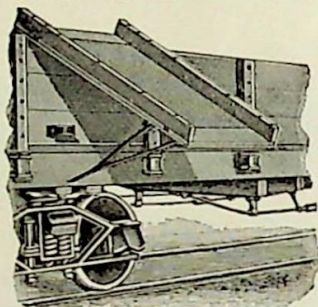


Fig. 402.

The above illustration shows our General Purpose Screen attached to car ready for screening coal as it is being unloaded. We build our screens in the very best possible manner, and put in nothing but first-class material. The bottoms are of steel wire cloth. All wearing parts are covered with sheet steel.

The "mesh" in coal screen cloth means the size of hole.

Cipher for Screens.

Plain Reversible	Ligament
General Purpose	Lichen
Screen with foot-board and legs	Linnnet
Mesh $\frac{1}{2}$ in.	Lion
" $\frac{3}{4}$ in.	Litany
" $\frac{1}{2}$ in.	Loper
" $\frac{3}{4}$ in.	Lemonade
Dimensions 24 x 60	Lethargy
" 24 x 72	Legation
" 30 x 60	Limber
" 30 x 72	Linen

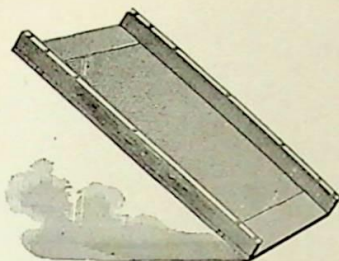


Fig. 403.

PLAIN REVERSIBLE SCREEN.

24 x 60, mesh $\frac{1}{2}$, $\frac{3}{8}$, $\frac{1}{4}$ or $\frac{1}{8}$	Price, \$7 50
24 x 72, same mesh.....	" 9 00
30 x 60, " ".....	" 9 00
30 x 72, " ".....	" 10 50

If special sizes are wanted we take pleasure in quoting price on application.

In ordering please mention size of mesh wanted.

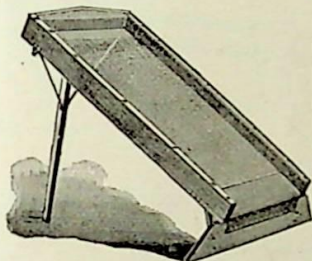


Fig. 404.

SCREEN WITH FOOT BOARD AND LEGS.

The above cut shows a screen that can be used at any place without extra support which makes it very convenient for screening coal at points where there is no stationary object on which to rest the screen.

REGULAR SIZES.

24 x 60, mesh $\frac{1}{2}$, $\frac{3}{8}$, $\frac{1}{4}$ or $\frac{1}{8}$	list price \$9 75
24 x 72, same mesh.....	" " 11 25
30 x 60, " ".....	" " 11 25
30 x 72, " ".....	" " 12 75

See cipher code on page 118.

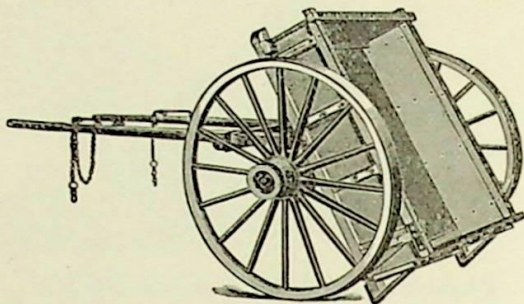


Fig. 350.

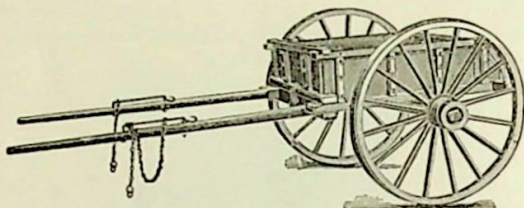


Fig. 351.

CONTRACTOR'S DUMP CART No. 1.

These are the strongest and best carts made.

Steel axles, $2\frac{1}{2}$ inches square.

Wheels, 54 inches in diameter; 16 spokes; tires, $\frac{3}{4}$ x $3\frac{1}{2}$.

Dimensions of bed, 5 feet long, 3 feet 9 inches wide, 14 inches deep. Weight, 750 lbs.

Shafts very heavy, 6 feet 9 inches long, fastened to bed by $\frac{1}{2}$ -inch rod passing through bed pieces. The dumping arrangement is very simple and cannot get out of order.

The tail gate is removable and the fastener is so arranged that it prevents the bed pieces from digging in the ground when cart is dumped.

Write for prices.

Cipher, Dentist.

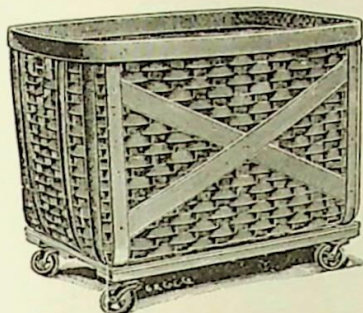


Fig. 311.

POUNDED ASH BASKETS.

These baskets are presented to the trade as the best that can be produced, taking light weight, strength and durability into consideration. The stock is prepared in the only natural method, by pounding. Each year's growth being separated from its fellow retains all the native strength and vitality of the timber, which has never been subjected to the action of steam.

No.	Cipher.	Weight lbs.	Capacity, Bushels.	Length Inches.	Width Inches.	Depth, Inches.	Diameter of Wheel in Caster.	Price Each.
1	Hoop	17	2	24	17	13	2	\$3 60
2	Horde	24	4	30	19	17	2	5 20
3	Horizon	29	6	33	22	21	2	8 20
4	Hornet	37	8	34	24	24	2½	10 00
5	Hobgoblin	39	10	36	26	24	2½	12 00
6	Honey	44	12	36	26	28	2½	13 60
7	Hoof	64	16	40	28	33	3½	16 00

These baskets can be furnished with 6-inch wheels at center and a caster at each end at a net additional price of 50 cents per basket.



Fig. 22.

Patent Anti-Friction Truck Casters.

These casters revolve upon a series of steel rollers or discs, placed in an annular chamber, and carry the weight outside the center of the main wheel. This gives an even bearing upon the circle of discs, and relieves all friction upon the pivot or strain upon the fastening screws. The parts are riveted together firmly, and free access is given to the screws through an opening in the plate without the inconvenience of taking apart.

No.	Cipher.	Diameter of wheel.	Tread of wheel.	Height over all.	Weight per Set.	Size of Plate.	Price per doz.
186	Velvet	1½ in.	¾ in.	2½ in.	4 lbs.	3½ x 2½	\$1 80
188	Venom	2 in.	1½ in.	3 in.	9 lbs.	4½ x 3	5 40
190	Venus	3 in.	1 in.	4 in.	14 lbs.	5 x 3½	8 00
192	Verb	4 in.	2 in.	6 in.	40 lbs.	6 x 4½	18 00
195	Verboso	6 in.	3 in.	9 in.	63 lbs.	9½ x 6½	30 00

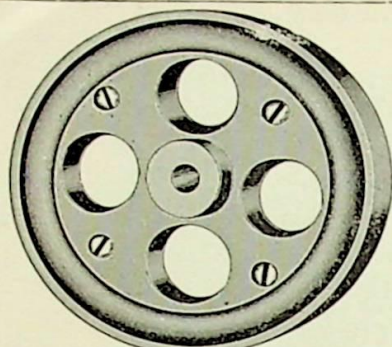
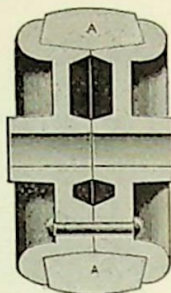


Fig. 265.



A—RUBBER.

Fig. 266

RUBBER TIRED WHEELS.

These wheels are unrivaled for Durability and Simplicity. They are perfectly noiseless and do not wear the floors perceptibly; can be used on wood, brick and concrete floors with great saving. They are composed of two compressing metallic disks which are provided with a section of hub, peripheral flange, and an annular rim of vulcanized rubber, which is mounted on the shoulders of the disk and firmly compressed between their flanges by means of screws, making it easy to replace worn-out rubbers, and yet rendering it utterly impossible for the rubbers to slip off, as was the case with the old methods, which were as follows: One way consisted of springing a ring of rubber on to a grooved wheel; but a movement of the wheel sideways would spring the rubber off as easily as it was put on. The other method consisted in vulcanizing the rubber on; but on being used the rubber would become loose from the wheel. Our Rubbered Wheel overcomes these difficulties, it being so simple that any person, with little trouble, can replace wornout rubbers, making the wheels as good as new.

No more loose Tires!

Diameter of Wheels, Inches.	Cipher.	Rubber Face, Inches.	Through Hub, Inches.	Bore of Wheels in Stock, Inches.	Wheels Per Doz.
2½	Rabbit.....	½	1½	5-16	\$5 50
3	Raccoon.....	½	1 9-16	½	8 00
4	Racket.....	1	2	½	11 50
5	Radish.....	1	2½	½	16 00
6	Rag.....	1½	2½	and 2½	23 30
7	Railing.....	1½	2½	and 2½	29 30
8	Ramble.....	1½	2½	and 2½	36 00
9	Rampart.....	1½	3	and 2½	51 00
10	Ramrod.....	1½	3	and 2½	64 00
12	Range.....	1½	3	and 2½	74 40
14	Ransom.....	1½	3	and 2½	99 00
15	Rascal.....	1½	3½	and 2½	106 00
16	Rattle.....	1½	3½	and 2½	112 00
20	Raven.....	1½	3½	and 2½	145 00
25	Razor.....	2½			220 00

Extra Heavy Rubbered Wheels.

Diameter of Wheels, Inches.	Cipher.	Rubber Face, Inches.	Through Hub, Inches.	Bore of Wheels in Stock, Inches.	Wheels Per Doz.
4	Raisin.....	1½	2½	½	\$14 40
5	Rainbow.....	1½	3½	½	21 00
6	Ramose.....	1½	3½	½ and ¾	81 20

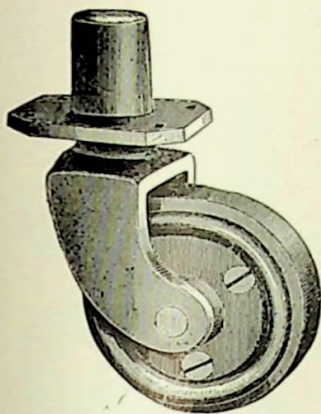


Fig. 292.

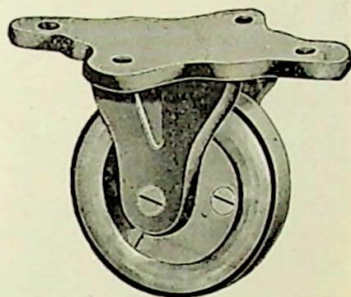


Fig. 290.

SWIVELS.

WHEELS IN STANDS.

The above cuts show rubbered wheels in swivels and stands which are also furnished with iron wheels if desired.

The rubbered wheels furnished are shown on page 122. The cheaper cemented rubber wheels are not worth using for heavy work, the bands soon becoming loose.

Diameter of Wheels, Inches.	Fig. 292. With Rubbered Wheels.		Fig. 292. With Iron Wheels.		Fig. 290. With Rubbered Wheels.		Fig. 290. With Iron Wheels.	
	Cipher.	Price p'r doz.	Cipher.	Price p'r doz.	Cipher.	Price p'r doz.	Cipher.	Price p'r doz.
2½	Alum . . .	\$8 00	Antelope . .	\$4 00	Abbe	\$8 00	Acro	\$4 00
3	Actor	11 00	Allegator . .	5 00	Abduct	11 00	Anchor	5 00
4	Adder	15 00	Arcade	6 00	Abide	15 00	Ankle	6 00
5	Adult	22 00	Adze	10 50	Abyss	22 00	Advantage . .	10 50
6	Air	28 00	Arcanum . . .	15 00	Arbor	28 00	Apex	15 00
7	Ajar	44 00			Author	44 00		
8	Album	54 00	Archer	24 00	Acid	54 00	Arch	24 00

With
Rubbered
Wheels.

Fig. 291.

With
Iron
Wheels.

Fig. 312.

Bracket Casters.

Very
Convenient
for
Mounting
Boxes.

Diameter of Wheels, Inches.	Fig. 291. With Rubbered Wheels.		Fig. 312. With Iron Wheels.	
	Cipher.	Price per Doz.	Cipher.	Price per Doz.
2½	Armada	\$12 00	Arsenal	\$7 00
3	Archway	15 00	Arsenic	8 00
4	Arctic	18 00	Artery	9 00
5	Armor	25 00		
6	Army	32 00	Atlas	18 00
7	Aroma	48 00		
8	Arrow	60 00	Auburn	30 00

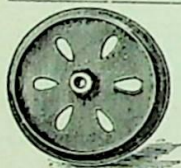


Fig. 330.

CAR WHEELS.

Cipher.	Diam- eter.	Face, Flange Extra.	Length of Hub.	Bore.	Flange Projection.	Weight, lbs.	Price Each.
Ibex	6	1½	2½	¾	¾	7	\$0 45
*Jewell	10	2	3½	1½	¾	20	1 25
Jingle	12	1½	3	1½	¾	25	1 60
Jar	15	2	3½	1½	1	52	2 60
Jail	18	2½	3½	1½	1½	70	3 50
Japan	18	3½	5	1½	1	110	4 20
Janitor	20	2½	3½	1½	1½	80	3 80

*Wheels marked * have wrought iron spokes.

Rubbered Wheels with Oval Tires Stretched Over Grooved Face of Wheels.

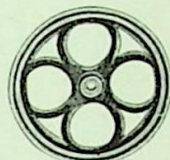


Fig. 364.

No. 201 R.	Cipher, Algebra.	Diameter, 5½ in.	Price, per doz. \$15 00
No. 205 R.	Cipher, Alien.	Diameter, 12 in.	Price, per doz. 42 00



Fig. 363.

PATENT ANTI-FRICTION RUBBERED TRUCK CASTER.

The wheels used in these casters are described on page 122.

No.	Cipher.	Diameter of Wheels, Inches.	Tread of Wheels, Inches.	Height over all, Inches.	Size of Plate, Inches.	Price Per Doz.
188 R	Albumen.....	2½	¾	3½	4½ x 3	\$11 75
190 R	Alchemy.....	3	¾	4½	5 x 3½	14 25
192 R	Alcohol.....	4	1	6	6 x 4½	20 75
195 R	Alderman.....	6	1½	9	9½ x 6½	50 95

REYNOLDS CASTERS.



Fig. 365.

Cipher.	Diameter of Wheels, Inches.	Style of Wheel.	Height of Shoulder From Ground.	Tread of Wheel.	Price Per Doz.
Alewife ...	6	Iron.	8½	1½	\$12 00
Alkali.....	9	"	12	1½	18 00
Aliphot....	9	"	13	2½	24 00
Alimony...	12	"	15½	1½	36 00
Alkaloid...	5½	Fig. 364	8½	¾	22 00
Allegro...	6	Fig. 265	8½	1½	32 00
	8	Fig. 265	11½	1½	60 00

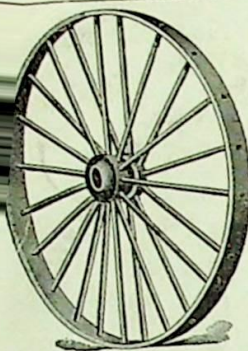


Fig. 304.

STEEL WAGON WHEELS.

These wheels are made for very heavy work. Tires are $3 \times \frac{1}{2}$ inch steel, spokes are $\frac{1}{2}$ inch steel, and, as they are staggered and very firmly secured to hub and tire, they give the wheel great strength. The hub is made of one solid piece of iron bored for a tapering two-inch axle. Length of hub $7\frac{1}{2}$ inches.

Any size made to order.

The following are carried in stock:

Cipher.	Weight Each.	Diameter, Inches.	No. of Spokes.	Tires, Inches.	Length and Bore of Hub.	Price Each.
	95	30	16	$\frac{3}{4} \times 3$	$7\frac{1}{2}$ in. tapered for 2 in. axle.	\$3 00
Envoy	110	36	16	$\frac{3}{4} \times 3$	$7\frac{1}{2}$ in. tapered for 2 in. axle.	10 00
Ebony	140	44	22	$\frac{3}{4} \times 3$	$7\frac{1}{2}$ in. tapered for 2 in. axle.	12 00

2-inch steel axles turned and fitted for above wheels—(length of axle to suit purchaser not longer than $4\frac{1}{2}$ feet).....\$6 00

STEEL WHEELS

For Stave Wagons.

The spokes of these wheels are riveted on both sides of tire and cast into a solid-iron hub in such a way that it is impossible for them to become loose. Bearing is carefully bored to correct size.

Adjustable boxes are inserted in hubs and are easily replaced if ever worn out.

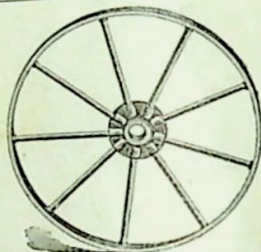


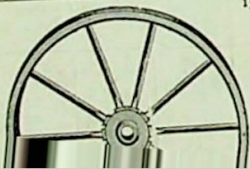
Fig. 305.

Cipher.	Weight lbs.	Diameter, Inches.	Tires, Inches.	Length and Bore of Hub.	No. of Spokes.	Size of Spokes.	Price, Each.
Evade.	60	24	$\frac{1}{2} \times 3$	6 in. bored $1\frac{1}{2}$ in.	9	$\frac{3}{4}$ in.	\$4 00
Exile.	70	28	$\frac{1}{2} \times 3$	6 in. bored $1\frac{1}{2}$ in.	9	$\frac{1}{2}$ in.	5 00
Elery	74	30	$\frac{1}{2} \times 3$	6 in. bored $1\frac{1}{2}$ in.	9	$\frac{1}{2}$ in.	5 00
Eagle	85	36	$\frac{1}{2} \times 3$	6 in. bored $1\frac{1}{2}$ in.	9	$\frac{1}{2}$ in.	6 00
Echo.	70	36	$\frac{1}{2} \times 2$	$6\frac{1}{2}$ in. bored $1\frac{1}{2}$ in.	10	1 in. oval	6 00

$1\frac{1}{2}$ inch axle turned and fitted for above wheels—(length to suit purchaser not longer than $3\frac{1}{2}$ ft.).....\$3.00.

Express Wagon Wheels.

Felloes of best second-growth oak $1\frac{1}{2} \times 3\frac{1}{2}$ inches. Spokes are $1 \times 1\frac{1}{2}$ inches, and made of best rock elm or white oak. Iron hubs 6 inches long, bored tapering for $1\frac{1}{2}$ inch axle. Tires $\frac{1}{2} \times 3\frac{1}{2}$ inch iron.



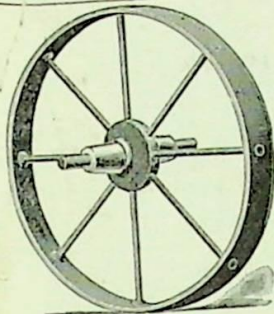


Fig. 307.

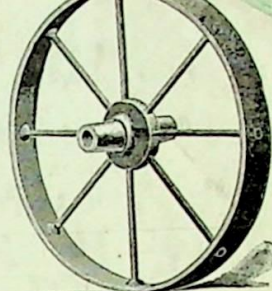


Fig. 308.

STEEL WHEELS FOR BARROWS.

Symbol	Figure	Cipher.	Diameter, Inches.	Tread, Inches.	Length of Hub between Shoulders, Inches.	Size of Spoke, Inches.	Diameter and Length of Gudgeon, Inches.	Barrows on which these wheels are used.	Price per Dozen.
AB	308	Ignoble	16	1 1/2 x 1 1/2	6	1/2	1/2 x 1 1/2	Common Bolted and Climax	\$12 50
AS	307	Image	16	1 1/2 x 1 1/2	6	1/2	1/2 x 1 1/2	Common Bolted and Climax	12 50
BB	308	Ivory	16	1 1/2 x 1 1/2	6	1/2	1/2 x 1 1/2	Lansing	12 85
BS	307	Ivy	16	1 1/2 x 1 1/2	6	1/2	1/2 x 1 1/2	Capitol	12 85
CB	308	Jacal	16	1 1/2 x 1 1/2	6	1/2	1/2 x 1 1/2	Eureka	13 20
CS	307	Jalap	16	1 1/2 x 1 1/2	6	1/2	1/2 x 1 1/2	Tubular	13 20
DB	308	Jargon	17	1 1/2 x 2	6	1/2	1/2 x 1 1/2		15 00
ES	308	Jay	18	1 1/2 x 1 1/2	12	1/2	1/2 x 1 1/2	Globe No. 3	17 50
GB	307	Insight	20	1 1/2 x 1 1/2	13 1/2	1/2	1/2 x 1 1/2	Globe No. 2	18 30
HS	307	Incline	20	1 1/2 x 1 1/2	16	1/2	1/2 x 1 1/2	Globe No. 1	18 30
LS	307	Incorrect	20	1 1/2 x 1 1/2	16	1/2	1 x 1 1/2	A cast iron wheel used on Pittsburgh Open Hearth Barrow	18 30
MS		Indian	16	1 x 1 1/2	11	1/2	1 x 1 1/2		30 00

*Wheels marked * revolve on a loose bolt through hub.

WOOD WHEELS FOR BARROWS AND HAND CARTS.

Symbol	Cipher.	Diameter, Inches.	Tread, Inches.	Length of Hub between Shoulders, Inches.	Diameter of Gudgeon, Inches.	Place Where Used.	Price per Dozen.
W 1 S	Wabble	16	1 1/2	6	1/2	Common Barrows.	\$10 00
W 2 S	Wad	18	1 1/2	6	1/2	Lansing and Capitol Barrows.	10 50
W 3 B	+Wafer	18	1 1/2	6	1/2	Eureka Barrows (iron hub wheel).	11 00
W 4 B	+Waft	18	1 1/2	6	1/2	Stone Barrows (very heavy wheel).	12 00
W 5	Wager	18	1 1/2	12	1/2	Wharf Barrows.	15 00
W 6	Waste	20	2	15	1/2	Scrap Iron Barrows	20 00
W 7	Walter	20	2	16	1/2	Heavy Stave Barrows	20 00
W 8	Walk	16	1 1/2	12	1/2	No. 2 Eastern Garden Barrows	12 00
W 9	Wall	18	1 1/2	12	1/2	No. 3 Globe Garden Barrows	15 00
W 10	Walnut	20	1 1/2	13 1/2	1/2	No. 2 Globe Garden Barrows	15 00
W 11	Wedge	20	1 1/2	16	1/2	No. 1 Globe Garden Barrows	15 00
W 12	Weed	22	1 1/2	16	1/2	No. 5 Eastern Garden Barrows	20 00
W 13	Wigwam	20	3	13 1/2	1/2	No. 4 Eastern Garden Barrows	15 00
W 14	Windward	22	2	15	1/2	No. 5 Eastern Garden Barrows	20 00
	Wrestle	20	5	13 1/2	1/2	No. 4 Eastern Garden Barrows	27 00
W 15	Welcome	30	1	4 1/2	1 1/2	No. 2 Hand Carts	Price Pair.
W 16	Welfare	36	1	4 1/2	1 1/2	No. 1 Hand Carts	4 00
W 17	Welkin	42	1	5	1 1/2	No. 0 Hand Carts	4 50
W 18	Whitewash	42	1 1/2	5	1 1/2	Heavy Weight No. 0 Cart	6 00
W 20	Witness	48	1 1/2	7 1/2	1 1/2	Heavy Push Carts	9 00

*These wheels revolve on bolt through hub. Wheels W 1 S and W 2 S are also made to revolve on bolt through hub when desired.

+This style wheel is shown on page 79.



Fig. 302.



Fig. 303.

CAST IRON WHEELS.

Cipher.	Diameter Inches.	Face Inches.	Length of Hub, Inches.	Bore, Inches.	Weight, Lbs.	Price, Each.
Wretch	2	1	1½	½	4	\$0 10
Waggery	3½	1½	1½	½	1½	20
Wreck	3½	2	2½	1	2½	25
Wages	4	1½	1½	½	3	25
Wainscot	4	2½	2½	½	3½	25
Wrangle	4	2	2½	½	4	30
Waistcoat	4	1½	1½	½	1½	25
Woolsack	4½	1½	1½	½	2	25
Witch	4½	1½	1½	½	2	25
Wakeful	5	3	3½	½	7½	40
Wildcat	5	1½	1½	½	2½	25
Wallet	5	1½	2½	½	2½	25
Wildfire	5½	1½	2½	½	3½	30
Walleye	5½	2	2½	½	4½	35
Wallup	6	2½	2½	½	6	40
Windlass	6	1½	1½	½	4	30
Wrinkle	6	3	3½	½	9	50
Walrus	6	1½	1½	½	3½	30
Waltz	7	1½	2½	½	6	40
Windpipe	7	1½	1½	½	4½	30
Wampum	7	1½	2½	½	5½	35
War	7	2½	2½	½	7	40
Warden	7½	2½	2½	½	11	60
Whether	7½	2	2½	½	6	25
Warfare	7½	2½	3	½	8½	50
Wing	8	5	5	1½	25	1 20
Wick	8½	2½	2½	½	10	60
Whine	8½	1½	2	½	8½	50
Warlike	9	2½	3	½	13½	70
Wide	9½	2½	3½	½	12	60
Warren	10	2½	2½	1½	19½	1 00
Warrior	10	3½	3½	1½	24	1 40
Wig	10½	3	3½	1½	20	1 00
Wasp	10½	4½	4½	1½	40	1 80
Weevil	11	2½	3	1½	19	1 00
Wolf	12	2	2½	½	16	80
Wink	12	1½	2½	½	14	70
Woman	12	3½	4½	1½	25	1 50
Woodland	14	3½	4½	1½	34	1 75
Waddle	14	2½	3½	1½	27	1 50
Waylay	16½	1½	3½	1½	25	1 50
Wrap	18	3½	3	1½	42	1 80
Wife	18	4½	5½	1½	60	3 00
Ward	18	2½	2½	1	36	1 75
Wayward	20	3	3½	1½	47	2 00
Wax	20	2½	3½	1½	47	2 00
Wiesel	21½	2½	3½	1½	54½	2 70
Wid	24	3	3½	1½	66	3 25



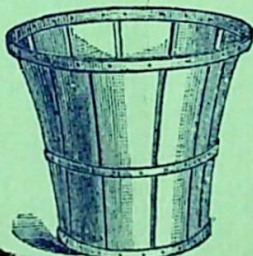
Fig. 306.



Bamboo Show Baskets, made in 3 sizes.



10- and 12-Quart Peach Baskets.



14-Quart Peach Baskets

Fowl's New Perfect Rubber-tired Wheels



MADE IN THE MOST DESIRABLE SIZE—4 inch diam.

Wheels only

\$12.00 per doz.

W.
Wrap
Wife with Stands

Ward

Wayward

Wax

Wessel

Wid

Wid

Wid

Fig. 306.

36	3 00
47	1 75
47	2 00
47	2 00
54	2 70
66	3 25